

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM081524 SAS No.: BM081524 SDG No.: BM081524
Instrument ID: BNA_M Calibration Date/Time: 8/14/2024 1:15:30
Lab File ID: BM047192.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	0.617		3.872	
Pyridine	1.360	1.399		2.868	
2-Fluorophenol	1.119	1.103		-1.43	
Benzaldehyde	0.904	0.772		-14.602	
Aniline	1.458	1.484		1.783	
Phenol-d6	1.542	1.501		-2.659	
Phenol	1.539	1.474		-4.224	20.0
bis(2-Chloroethyl) ether	1.318	1.384		5.008	
2-Chlorophenol	1.221	1.212		-0.737	
1,2-Dichlorobenzene	1.386	1.315		-5.123	
1,3-Dichlorobenzene	1.451	1.420		-2.136	
1,4-Dichlorobenzene	1.469	1.433		-2.451	20.0
Benzyl Alcohol	1.098	1.103		0.455	
2-Methylphenol	1.027	1.051		2.337	
2,2-oxybis(1-Chloropropane)	1.691	1.951		15.376	
Acetophenone	0.483	0.446		-7.66	
3+4-Methylphenols	1.435	1.478		2.997	
n-Nitroso-di-n-propylamine	1.039	1.051	0.050	1.155	
Nitrobenzene-d5	0.397	0.387		-2.519	
Hexachloroethane	0.569	0.599		5.272	
Nitrobenzene	0.400	0.398		-0.5	
Isophorone	0.692	0.701		1.301	
2-Nitrophenol	0.177	0.175		-1.13	20.0
2,4-Dimethylphenol	0.207	0.207		0.0	
bis(2-Chloroethoxy) methane	0.435	0.462		6.207	
2,4-Dichlorophenol	0.308	0.301		-2.273	20.0
1,2,4-Trichlorobenzene	0.348	0.329		-5.46	
Benzoic acid	0.241	0.254		5.394	
Naphthalene	0.996	0.951		-4.518	
4-Chloroaniline	0.383	0.388		1.305	
Hexachlorobutadiene	0.204	0.186		-8.824	20.0
Caprolactam	0.107	0.106		-0.935	
4-Chloro-3-methylphenol	0.328	0.330		0.61	20.0
2-Methylnaphthalene	0.709	0.684		-3.526	
Hexachlorocyclopentadiene	0.190	0.181	0.050	-4.737	
2,4,6-Trichlorophenol	0.388	0.364		-6.186	20.0
2-Fluorobiphenyl	1.297	1.220		-5.937	
2,4,5-Trichlorophenol	0.430	0.406		-5.581	
1,1-Biphenyl	1.424	1.358		-4.635	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.113	1.052		-5.481	
2-Nitroaniline	0.349	0.371		6.304	
Dimethylphthalate	1.397	1.379		-1.288	
Acenaphthylene	1.640	1.593		-2.866	
2,6-Dinitrotoluene	0.327	0.324		-0.917	
3-Nitroaniline	0.327	0.334		2.141	
Acenaphthene	1.041	1.016		-2.402	20.0
2,4-Dinitrophenol	0.196	0.185	0.050	-5.612	
4-Nitrophenol	0.282	0.288	0.050	2.128	
Dibenzofuran	1.644	1.580		-3.893	
2,4-Dinitrotoluene	0.436	0.440		0.917	
Diethylphthalate	1.426	1.481		3.857	
4-Chlorophenyl-phenylether	0.646	0.635		-1.703	
Fluorene	1.356	1.337		-1.401	
4-Nitroaniline	0.322	0.324		0.621	
4,6-Dinitro-2-methylphenol	0.117	0.116		-0.855	
n-Nitrosodiphenylamine	0.545	0.527		-3.303	20.0
Azobenzene	1.352	1.456		7.692	
2,4,6-Tribromophenol	0.232	0.233		0.431	
4-Bromophenyl-phenylether	0.193	0.188		-2.591	
Hexachlorobenzene	0.231	0.223		-3.463	
Atrazine	0.164	0.151		-7.927	
Pentachlorophenol	0.162	0.157		-3.086	20.0
Phenanthrene	1.004	0.970		-3.386	
Anthracene	0.977	0.962		-1.535	
Carbazole	0.997	0.969		-2.808	
Di-n-butylphthalate	1.160	1.266		9.138	
Fluoranthene	1.221	1.196		-2.048	20.0
Benzidine	0.339	0.609		79.646	
Pyrene	1.428	1.400		-1.961	
Terphenyl-d14	0.933	0.946		1.393	
Butylbenzylphthalate	0.583	0.650		11.492	
3,3-Dichlorobenzidine	0.415	0.436		5.06	
Benzo(a)anthracene	1.328	1.319		-0.678	
Chrysene	1.260	1.229		-2.46	
Bis(2-ethylhexyl)phthalate	0.826	0.959		16.102	
Di-n-octyl phthalate	1.405	1.642		16.868	20.0
Benzo(b)fluoranthene	1.188	1.197		0.758	
Benzo(k)fluoranthene	1.122	1.157		3.119	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM081524 SAS No.: BM081524 SDG No.: BM081524

Instrument ID: BNA_M Calibration Date/Time: 8/14/2024 1:15:30

Lab File ID: BM047192.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	1.051		2.138	20.0
Indeno(1,2,3-cd)pyrene	1.293	1.290		-0.232	
Dibenzo(a,h)anthracene	1.046	1.055		0.86	
Benzo(g,h,i)perylene	1.086	1.079		-0.645	
1,2,4,5-Tetrachlorobenzene	0.546	0.497		-8.974	
1,4-Dioxane	0.464	0.478		3.017	20.0
2,3,4,6-Tetrachlorophenol	0.354	0.340		-3.955	
1-Methylnaphthalene	0.701	0.676		-3.566	

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.: BM081524 SAS No.: BM081524 SDG No.: BM081524

Instrument ID: BNA_M Calibration Date/Time: 8/15/2024 1:02:09

Lab File ID: BM047207.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	0.507		-14.646	50.0
Pyridine	1.360	1.164		-14.412	50.0
2-Fluorophenol	1.119	1.038		-7.239	50.0
Benzaldehyde	0.904	0.803		-11.173	50.0
Aniline	1.458	1.339		-8.162	50.0
Phenol-d6	1.542	1.436		-6.874	50.0
Phenol	1.539	1.429		-7.147	50.0
bis(2-Chloroethyl)ether	1.318	1.197		-9.181	50.0
2-Chlorophenol	1.221	1.153		-5.569	50.0
1,2-Dichlorobenzene	1.386	1.330		-4.04	50.0
1,3-Dichlorobenzene	1.451	1.410		-2.826	50.0
1,4-Dichlorobenzene	1.469	1.417		-3.54	50.0
Benzyl Alcohol	1.098	1.018		-7.286	50.0
2-Methylphenol	1.027	0.976		-4.966	50.0
2,2-oxybis(1-Chloropropane)	1.691	1.504		-11.059	50.0
Acetophenone	0.483	0.462		-4.348	50.0
3+4-Methylphenols	1.435	1.364		-4.948	50.0
n-Nitroso-di-n-propylamine	1.039	0.927	0.050	-10.78	50.0
Nitrobenzene-d5	0.397	0.376		-5.29	50.0
Hexachloroethane	0.569	0.490		-13.884	50.0
Nitrobenzene	0.400	0.378		-5.5	50.0
Isophorone	0.692	0.681		-1.59	50.0
2-Nitrophenol	0.177	0.178		0.565	50.0
2,4-Dimethylphenol	0.207	0.210		1.449	50.0
bis(2-Chloroethoxy)methane	0.435	0.420		-3.448	50.0
2,4-Dichlorophenol	0.308	0.331		7.468	50.0
1,2,4-Trichlorobenzene	0.348	0.369		6.034	50.0
Benzoic acid	0.241	0.271		12.448	50.0
Naphthalene	0.996	0.975		-2.108	50.0
4-Chloroaniline	0.383	0.374		-2.35	50.0
Hexachlorobutadiene	0.204	0.229		12.255	50.0
Caprolactam	0.107	0.108		0.935	50.0
4-Chloro-3-methylphenol	0.328	0.329		0.305	50.0
2-Methylnaphthalene	0.709	0.705		-0.564	50.0
Hexachlorocyclopentadiene	0.190	0.105	0.050	-44.737	50.0
2,4,6-Trichlorophenol	0.388	0.417		7.474	50.0
2-Fluorobiphenyl	1.297	1.305		0.617	50.0
2,4,5-Trichlorophenol	0.430	0.464		7.907	50.0
1,1-Biphenyl	1.424	1.403		-1.475	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.113	1.093		-1.797	50.0
2-Nitroaniline	0.349	0.340		-2.579	50.0
Dimethylphthalate	1.397	1.369		-2.004	50.0
Acenaphthylene	1.640	1.602		-2.317	50.0
2,6-Dinitrotoluene	0.327	0.327		0.0	50.0
3-Nitroaniline	0.327	0.329		0.612	50.0
Acenaphthene	1.041	1.020		-2.017	50.0
2,4-Dinitrophenol	0.196	0.114	0.050	-41.837	50.0
4-Nitrophenol	0.282	0.271	0.050	-3.901	50.0
Dibenzofuran	1.644	1.598		-2.798	50.0
2,4-Dinitrotoluene	0.436	0.431		-1.147	50.0
Diethylphthalate	1.426	1.381		-3.156	50.0
4-Chlorophenyl-phenylether	0.646	0.653		1.084	50.0
Fluorene	1.356	1.317		-2.876	50.0
4-Nitroaniline	0.322	0.316		-1.863	50.0
4,6-Dinitro-2-methylphenol	0.117	0.080		-31.624	50.0
n-Nitrosodiphenylamine	0.545	0.550		0.917	50.0
Azobenzene	1.352	1.238		-8.432	50.0
2,4,6-Tribromophenol	0.232	0.237		2.155	50.0
4-Bromophenyl-phenylether	0.193	0.207		7.254	50.0
Hexachlorobenzene	0.231	0.237		2.597	50.0
Atrazine	0.164	0.151		-7.927	50.0
Pentachlorophenol	0.162	0.168		3.704	50.0
Phenanthrene	1.004	0.968		-3.586	50.0
Anthracene	0.977	0.962		-1.535	50.0
Carbazole	0.997	0.929		-6.82	50.0
Di-n-butylphthalate	1.160	1.184		2.069	50.0
Fluoranthene	1.221	1.104		-9.582	50.0
Benzidine	0.339	0.826		143.658	50.0
Pyrene	1.428	1.681		17.717	50.0
Terphenyl-d14	0.933	1.150		23.258	50.0
Butylbenzylphthalate	0.583	0.742		27.273	50.0
3,3-Dichlorobenzidine	0.415	0.477		14.94	50.0
Benzo(a)anthracene	1.328	1.306		-1.657	50.0
Chrysene	1.260	1.217		-3.413	50.0
Bis(2-ethylhexyl)phthalate	0.826	1.020		23.487	50.0
Di-n-octyl phthalate	1.405	1.652		17.58	50.0
Benzo(b)fluoranthene	1.188	1.172		-1.347	50.0
Benzo(k)fluoranthene	1.122	1.101		-1.872	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.029	1.012		-1.652	50.0
Indeno(1,2,3-cd)pyrene	1.293	1.246		-3.635	50.0
Dibenzo(a,h)anthracene	1.046	1.005		-3.92	50.0
Benzo(g,h,i)perylene	1.086	1.046		-3.683	50.0
1,2,4,5-Tetrachlorobenzene	0.546	0.595		8.974	50.0
1,4-Dioxane	0.464	0.404		-12.931	50.0
2,3,4,6-Tetrachlorophenol	0.354	0.371		4.802	50.0
1-Methylnaphthalene	0.701	0.696		-0.713	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162602BL	SDG No.:	BM081524
Lab Sample ID:	PB162602BL	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
BM047193.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162602BL	SDG No.:	BM081524
Lab Sample ID:	PB162602BL	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
BM047193.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162602BL	SDG No.:	BM081524
Lab Sample ID:	PB162602BL	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
BM047193.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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	95.784		18-112		64	SPK: -150
13127-88-3	Phenol-d6	91.894		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	59.95		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	57.217		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	8/9/2024 12:00:00 AM
Project:		Date Received:	8/9/2024 12:00:00 AM
Client Sample ID:	PB162602BL	SDG No.:	BM081524
Lab Sample ID:	PB162602BL	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
BM047193.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	86.565		10-116		58	SPK: -150
1718-51-0	Terphenyl-d14	72.777		10-105		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	463084	7.369				
1146-65-2	Naphthalene-d8	1836037	10.122				
15067-26-2	Acenaphthene-d10	1289051	14.027				
1517-22-2	Phenanthrene-d10	2686004	16.786				
1719-03-5	Chrysene-d12	1987908	21.021				
1520-96-3	Perylene-d12	2013715	23.715				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A			4.581	

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-16-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.3
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
BM047194.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.4	U	55.4	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	120	U	120	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	330	U	330	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-16-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.3
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
BM047194.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	98.1	U	98.1	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1820	U	1820	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-16-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.3
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
BM047194.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	450	ug/Kg
85-01-8	Phenanthrene	120	J	120	180	230	ug/Kg
120-12-7	Anthracene	120	U	120	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	230	ug/Kg
206-44-0	Fluoranthene	280		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	240		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	110	180	230	ug/Kg
218-01-9	Chrysene	150	J	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	J	110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	150	J	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.887		18-112		65	SPK: -150
13127-88-3	Phenol-d6	94.737		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	63.074		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	49.883		20-109		50	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-16-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.3
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
BM047194.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.493		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	55.731		10-105		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	259965	7.369				
1146-65-2	Naphthalene-d8	1035744	10.122				
15067-26-2	Acenaphthene-d10	632553	14.022				
1517-22-2	Phenanthrene-d10	1350863	16.786				
1719-03-5	Chrysene-d12	1290797	21.021				
1520-96-3	Perylene-d12	1280424	23.715				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047195.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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	250	U	250	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	56.2	U	56.2	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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047195.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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	99.6	U	99.6	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	240	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	240	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	240	ug/Kg
Total PAH	Total PAH	3130	U	1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	240	ug/Kg
86-73-7	Fluorene	120	U	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	240	ug/Kg
103-33-3	Azobenzene	110	U	110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047195.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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	420		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	570		110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	570		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	260		110	180	240	ug/Kg
218-01-9	Chrysene	270		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	330		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	280		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	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	160	J	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.79		18-112		49	SPK: -150
13127-88-3	Phenol-d6	69.499		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	46.654		18-107		47	SPK: -100
321-60-8	2-Fluorobiphenyl	41.048		20-109		41	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047195.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	72.188		10-116		48	SPK: -150
1718-51-0	Terphenyl-d14	46.742		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	345432	7.369				
1146-65-2	Naphthalene-d8	1322790	10.122				
15067-26-2	Acenaphthene-d10	855111	14.027				
1517-22-2	Phenanthrene-d10	1776992	16.786				
1719-03-5	Chrysene-d12	1367688	21.021				
1520-96-3	Perylene-d12	1306766	23.715				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-18-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
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
BM047196.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.7	U	54.7	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	110	U	110	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-18-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
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
BM047196.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	96.9	U	96.9	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	2310	U	1800	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-18-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
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
BM047196.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	370	450	ug/Kg
85-01-8	Phenanthrene	230		110	180	230	ug/Kg
120-12-7	Anthracene	110	U	110	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	180	230	ug/Kg
206-44-0	Fluoranthene	400		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	420		110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	210	J	110	180	230	ug/Kg
218-01-9	Chrysene	210	J	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	270		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	210	J	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	74.009		18-112		49	SPK: -150
13127-88-3	Phenol-d6	71.878		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	48.464		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	43.043		20-109		43	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-18-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.5
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
BM047196.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.229		10-116		49	SPK: -150
1718-51-0	Terphenyl-d14	52.789		10-105		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	362318	7.369				
1146-65-2	Naphthalene-d8	1389579	10.122				
15067-26-2	Acenaphthene-d10	892726	14.027				
1517-22-2	Phenanthrene-d10	1788203	16.786				
1719-03-5	Chrysene-d12	1251237	21.021				
1520-96-3	Perylene-d12	1209336	23.715				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
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
BM047197.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
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
BM047197.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
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
BM047197.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

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	J	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	210	J	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	230	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	J	110	180	240	ug/Kg
218-01-9	Chrysene	130	J	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	160	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	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.492		18-112		52	SPK: -150
13127-88-3	Phenol-d6	75.45		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	49.544		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	40.88		20-109		41	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
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
BM047197.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	78.553		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	49.565		10-105		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	345546	7.369				
1146-65-2	Naphthalene-d8	1338830	10.122				
15067-26-2	Acenaphthene-d10	855094	14.027				
1517-22-2	Phenanthrene-d10	1770559	16.786				
1719-03-5	Chrysene-d12	1273712	21.021				
1520-96-3	Perylene-d12	1243471	23.721				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-20-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25
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
BM047198.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	360	440	ug/Kg
110-86-1	Pyridine	110	U	110	170	230	ug/Kg
100-52-7	Benzaldehyde	240	U	240	360	440	ug/Kg
62-53-3	Aniline	130	U	130	170	230	ug/Kg
108-95-2	Phenol	110	U	110	170	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	170	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	360	440	ug/Kg
95-48-7	2-Methylphenol	110	U	110	170	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	230	ug/Kg
98-86-2	Acetophenone	120	U	120	170	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	53.7	U	53.7	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	230	ug/Kg
78-59-1	Isophorone	110	U	110	170	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	230	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	360	440	ug/Kg
91-20-3	Naphthalene	110	U	110	170	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-20-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25
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
BM047198.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	170	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	95.2	U	95.2	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.6	U	98.6	170	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	170	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	170	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	230	ug/Kg
Total PAH	Total PAH	1770	U	1770	170	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	320	U	320	360	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	440	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	170	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	230	ug/Kg
86-73-7	Fluorene	110	U	110	170	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	170	230	ug/Kg
103-33-3	Azobenzene	110	U	110	170	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	170	230	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	230	ug/Kg
1912-24-9	Atrazine	120	U	120	170	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-20-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25
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
BM047198.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	100	U	100	360	440	ug/Kg
85-01-8	Phenanthrene	110	U	110	170	230	ug/Kg
120-12-7	Anthracene	110	U	110	170	230	ug/Kg
86-74-8	Carbazole	110	U	110	170	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	230	ug/Kg
206-44-0	Fluoranthene	260		110	170	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	280		110	170	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	170	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	110	170	230	ug/Kg
218-01-9	Chrysene	150	J	110	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	J	110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	160	J	120	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	170	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	110	170	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	170	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.6	U	99.6	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.29		18-112		58	SPK: -150
13127-88-3	Phenol-d6	84.023		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	56.222		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	45.309		20-109		45	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-20-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25
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
BM047198.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	87.909		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	54.051		10-105		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	350609	7.369				
1146-65-2	Naphthalene-d8	1331382	10.122				
15067-26-2	Acenaphthene-d10	840531	14.027				
1517-22-2	Phenanthrene-d10	1738282	16.786				
1719-03-5	Chrysene-d12	1232387	21.021				
1520-96-3	Perylene-d12	1222159	23.715				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-21-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047199.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	380	470	ug/Kg
110-86-1	Pyridine	110	U	110	180	240	ug/Kg
100-52-7	Benzaldehyde	260	U	260	380	470	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	470	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	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	57.2	U	57.2	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	340	U	340	380	470	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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-21-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047199.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	380	470	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	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	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	120	U	120	180	240	ug/Kg
Total PAH	Total PAH	3510	U	1890	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	380	470	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	470	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	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	170	U	170	380	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-21-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047199.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	470	ug/Kg
85-01-8	Phenanthrene	260		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	610		120	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	470	ug/Kg
129-00-0	Pyrene	660		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	470	ug/Kg
56-55-3	Benzo(a)anthracene	290		110	180	240	ug/Kg
218-01-9	Chrysene	370		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	160	U	160	380	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	470		120	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	J	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	310		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	J	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	160	U	160	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	96.342		18-112		64	SPK: -150
13127-88-3	Phenol-d6	95.643		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	63.293		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	52.195		20-109		52	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-21-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047199.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	99.56		10-116		66	SPK: -150
1718-51-0	Terphenyl-d14	66.457		10-105		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	365065	7.369				
1146-65-2	Naphthalene-d8	1394399	10.122				
15067-26-2	Acenaphthene-d10	876541	14.027				
1517-22-2	Phenanthrene-d10	1774496	16.786				
1719-03-5	Chrysene-d12	1176593	21.021				
1520-96-3	Perylene-d12	1172599	23.721				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
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
BM047200.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	450	ug/Kg
110-86-1	Pyridine	110	U	110	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	450	ug/Kg
62-53-3	Aniline	130	U	130	180	230	ug/Kg
108-95-2	Phenol	110	U	110	180	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	180	230	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	180	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	180	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	230	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	450	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	180	230	ug/Kg
98-86-2	Acetophenone	120	U	120	180	230	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	450	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.8	U	54.8	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	110	U	110	180	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	230	ug/Kg
65-85-0	Benzoic acid	320	U	320	370	450	ug/Kg
91-20-3	Naphthalene	110	U	110	180	230	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
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
BM047200.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	450	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	370	450	ug/Kg
88-06-2	2,4,6-Trichlorophenol	97	U	97	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	180	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	230	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	230	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	180	230	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	230	ug/Kg
Total PAH	Total PAH	1800	U	1800	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
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
BM047200.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	450	ug/Kg
85-01-8	Phenanthrene	110	U	110	180	230	ug/Kg
120-12-7	Anthracene	110	U	110	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	180	230	ug/Kg
206-44-0	Fluoranthene	160	J	110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	160	J	110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	230	ug/Kg
218-01-9	Chrysene	110	U	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	62.284		18-112		42	SPK: -150
13127-88-3	Phenol-d6	60.489		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	40.489		18-107		40	SPK: -100
321-60-8	2-Fluorobiphenyl	33.996		20-109		34	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047200.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	62.944		10-116		42	SPK: -150
1718-51-0	Terphenyl-d14	41.711		10-105		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	339424	7.369				
1146-65-2	Naphthalene-d8	1309331	10.122				
15067-26-2	Acenaphthene-d10	840826	14.027				
1517-22-2	Phenanthrene-d10	1673778	16.786				
1719-03-5	Chrysene-d12	1171940	21.021				
1520-96-3	Perylene-d12	1165353	23.715				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-23-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047201.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	380	470	ug/Kg
110-86-1	Pyridine	110	U	110	180	240	ug/Kg
100-52-7	Benzaldehyde	260	U	260	380	470	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	470	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	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	57.3	U	57.3	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	340	U	340	380	470	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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-23-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047201.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	380	470	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	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	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	140	U	140	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	120	U	120	180	240	ug/Kg
Total PAH	Total PAH	2040	U	1890	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	380	470	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	470	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	170	U	170	380	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	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:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-23-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047201.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	470	ug/Kg
85-01-8	Phenanthrene	210	J	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	360		120	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	470	ug/Kg
129-00-0	Pyrene	400		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	470	ug/Kg
56-55-3	Benzo(a)anthracene	180	J	110	180	240	ug/Kg
218-01-9	Chrysene	200	J	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	160	U	160	380	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	260		120	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	190	J	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	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	160	U	160	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	98.795		18-112		66	SPK: -150
13127-88-3	Phenol-d6	97.377		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	65.281		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	54.64		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-23-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047201.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	104.502		10-116		70	SPK: -150
1718-51-0	Terphenyl-d14	70.044		10-105		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	359457	7.369				
1146-65-2	Naphthalene-d8	1373110	10.122				
15067-26-2	Acenaphthene-d10	877705	14.027				
1517-22-2	Phenanthrene-d10	1776465	16.786				
1719-03-5	Chrysene-d12	1148910	21.021				
1520-96-3	Perylene-d12	1176743	23.721				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BM047202.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.2	U	92.2	290	350	ug/Kg
110-86-1	Pyridine	84.8	U	84.8	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88	U	88	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.9	U	88.9	140	180	ug/Kg
95-57-8	2-Chlorophenol	88.6	U	88.6	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.8	U	89.8	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.3	U	91.3	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.8	U	91.8	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.1	U	88.1	290	350	ug/Kg
95-48-7	2-Methylphenol	85.6	U	85.6	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.5	U	96.5	140	180	ug/Kg
98-86-2	Acetophenone	92.3	U	92.3	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.7	U	84.7	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.8	U	42.8	84.9	84.9	ug/Kg
67-72-1	Hexachloroethane	88.1	U	88.1	140	180	ug/Kg
98-95-3	Nitrobenzene	96.4	U	96.4	140	180	ug/Kg
78-59-1	Isophorone	89.8	U	89.8	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.9	U	98.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.1	U	91.1	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.2	U	80.2	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.7	U	90.7	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	87.7	U	87.7	140	180	ug/Kg
106-47-8	4-Chloroaniline	87.7	U	87.7	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.4	U	88.4	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BM047202.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.2	U	92.2	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.3	U	82.3	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.6	U	87.6	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.8	U	75.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.6	U	78.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	92.8	U	92.8	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.4	U	88.4	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	86.7	U	86.7	140	180	ug/Kg
208-96-8	Acenaphthylene	91.8	U	91.8	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.3	U	88.3	140	180	ug/Kg
99-09-2	3-Nitroaniline	94.7	U	94.7	140	180	ug/Kg
83-32-9	Acenaphthene	86.1	U	86.1	140	180	ug/Kg
Total PAH	Total PAH	1406.7	U	1406.7	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.6	U	89.6	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.5	U	91.5	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.8	U	179.8	140	360	ug/Kg
84-66-2	Diethylphthalate	85	U	85	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.9	U	90.9	140	180	ug/Kg
86-73-7	Fluorene	90.8	U	90.8	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.6	U	86.6	140	180	ug/Kg
103-33-3	Azobenzene	84.5	U	84.5	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.8	U	83.8	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.2	U	90.2	140	180	ug/Kg
1912-24-9	Atrazine	97	U	97	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BM047202.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.1	U	82.1	290	350	ug/Kg
85-01-8	Phenanthrene	89.2	U	89.2	140	180	ug/Kg
120-12-7	Anthracene	89.6	U	89.6	140	180	ug/Kg
86-74-8	Carbazole	85.2	U	85.2	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.5	U	89.5	140	180	ug/Kg
206-44-0	Fluoranthene	86.7	U	86.7	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.1	U	88.1	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.7	U	85.7	140	180	ug/Kg
218-01-9	Chrysene	84.4	U	84.4	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.6	U	96.6	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.1	U	86.1	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.7	U	87.7	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.7	U	98.7	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.9	U	82.9	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.2	U	86.2	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85	U	85	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.2	U	92.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.3	U	79.3	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.3	U	88.3	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	47.972		18-112		32	SPK: -150
13127-88-3	Phenol-d6	48.053		15-107		32	SPK: -150
4165-60-0	Nitrobenzene-d5	31.975		18-107		32	SPK: -100
321-60-8	2-Fluorobiphenyl	35.37		20-109		35	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
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
BM047202.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	51.974		10-116		35	SPK: -150
1718-51-0	Terphenyl-d14	47.907		10-105		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	363334	7.369				
1146-65-2	Naphthalene-d8	1406454	10.122				
15067-26-2	Acenaphthene-d10	910405	14.027				
1517-22-2	Phenanthrene-d10	1815428	16.786				
1719-03-5	Chrysene-d12	1217091	21.021				
1520-96-3	Perylene-d12	1193314	23.715				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-03-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BM047203.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92	U	92	290	350	ug/Kg
110-86-1	Pyridine	84.7	U	84.7	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.9	U	87.9	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.7	U	88.7	140	180	ug/Kg
95-57-8	2-Chlorophenol	88.5	U	88.5	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.7	U	89.7	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.1	U	91.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.7	U	91.7	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88	U	88	290	350	ug/Kg
95-48-7	2-Methylphenol	85.4	U	85.4	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.3	U	96.3	140	180	ug/Kg
98-86-2	Acetophenone	92.1	U	92.1	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	84.6	U	84.6	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.7	U	42.7	84.8	84.8	ug/Kg
67-72-1	Hexachloroethane	88	U	88	140	180	ug/Kg
98-95-3	Nitrobenzene	96.2	U	96.2	140	180	ug/Kg
78-59-1	Isophorone	89.7	U	89.7	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98.8	U	98.8	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.9	U	90.9	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80	U	80	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.5	U	90.5	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	87.5	U	87.5	140	180	ug/Kg
106-47-8	4-Chloroaniline	87.5	U	87.5	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.3	U	88.3	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-03-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BM047203.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92	U	92	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.1	U	82.1	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.4	U	87.4	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.7	U	75.7	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.4	U	78.4	140	180	ug/Kg
92-52-4	1,1-Biphenyl	92.6	U	92.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.3	U	88.3	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	86.6	U	86.6	140	180	ug/Kg
208-96-8	Acenaphthylene	91.7	U	91.7	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.2	U	88.2	140	180	ug/Kg
99-09-2	3-Nitroaniline	94.5	U	94.5	140	180	ug/Kg
83-32-9	Acenaphthene	85.9	U	85.9	140	180	ug/Kg
Total PAH	Total PAH	1404.2	U	1404.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.4	U	89.4	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	79.5	U	179.5	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.3	U	91.3	140	180	ug/Kg
84-66-2	Diethylphthalate	84.9	U	84.9	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.7	U	90.7	140	180	ug/Kg
86-73-7	Fluorene	90.6	U	90.6	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.5	U	86.5	140	180	ug/Kg
103-33-3	Azobenzene	84.4	U	84.4	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83.6	U	83.6	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.1	U	90.1	140	180	ug/Kg
1912-24-9	Atrazine	96.9	U	96.9	140	180	ug/Kg



Client:			Date Collected:	8/6/2024 12:00:00 AM	
Project:			Date Received:	8/6/2024 12:00:00 AM	
Client Sample ID:	OU4-CF-03-080724		SDG No.:	BM081524	
Lab Sample ID:	P3519-21		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	5.7	
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
BM047203.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.9	U	81.9	290	350	ug/Kg
85-01-8	Phenanthrene	89	U	89	140	180	ug/Kg
120-12-7	Anthracene	89.4	U	89.4	140	180	ug/Kg
86-74-8	Carbazole	85.1	U	85.1	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.3	U	89.3	140	180	ug/Kg
206-44-0	Fluoranthene	86.6	U	86.6	140	180	ug/Kg
92-87-5	Benidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88	U	88	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.5	U	85.5	140	180	ug/Kg
218-01-9	Chrysene	84.2	U	84.2	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.4	U	96.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.9	U	85.9	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.5	U	87.5	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.6	U	98.6	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.8	U	82.8	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.1	U	86.1	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.9	U	84.9	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92	U	92	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.2	U	79.2	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.2	U	88.2	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.437		18-112		57	SPK: -150
13127-88-3	Phenol-d6	83.759		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	55.919		18-107		56	SPK: -100
321-60-8	2-Fluorobiphenyl	57.222		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-03-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-21	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.7
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
BM047203.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	92.888		10-116		62	SPK: -150
1718-51-0	Terphenyl-d14	75.489		10-105		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	360362	7.369				
1146-65-2	Naphthalene-d8	1391113	10.122				
15067-26-2	Acenaphthene-d10	894578	14.028				
1517-22-2	Phenanthrene-d10	1793415	16.786				
1719-03-5	Chrysene-d12	1180621	21.021				
1520-96-3	Perylene-d12	1171621	23.715				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-04-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BM047204.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.3	U	91.3	280	350	ug/Kg
110-86-1	Pyridine	84.1	U	84.1	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.2	U	87.2	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	88.1	U	88.1	140	180	ug/Kg
95-57-8	2-Chlorophenol	87.8	U	87.8	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	89	U	89	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	90.5	U	90.5	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	91	U	91	140	180	ug/Kg
100-51-6	Benzyl Alcohol	87.3	U	87.3	280	350	ug/Kg
95-48-7	2-Methylphenol	84.8	U	84.8	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.6	U	95.6	140	180	ug/Kg
98-86-2	Acetophenone	91.4	U	91.4	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.9	U	83.9	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.4	U	42.4	84.2	84.2	ug/Kg
67-72-1	Hexachloroethane	87.3	U	87.3	140	180	ug/Kg
98-95-3	Nitrobenzene	95.5	U	95.5	140	180	ug/Kg
78-59-1	Isophorone	89	U	89	140	180	ug/Kg
88-75-5	2-Nitrophenol	99.4	U	99.4	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	98	U	98	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.3	U	90.3	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.4	U	79.4	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.8	U	89.8	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	280	350	ug/Kg
91-20-3	Naphthalene	86.9	U	86.9	140	180	ug/Kg
106-47-8	4-Chloroaniline	86.9	U	86.9	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.6	U	87.6	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-04-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BM047204.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	91.3	U	91.3	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.5	U	81.5	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.8	U	86.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75.1	U	75.1	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.8	U	77.8	140	180	ug/Kg
92-52-4	1,1-Biphenyl	91.9	U	91.9	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.6	U	87.6	140	180	ug/Kg
88-74-4	2-Nitroaniline	99.9	U	99.9	140	180	ug/Kg
131-11-3	Dimethylphthalate	85.9	U	85.9	140	180	ug/Kg
208-96-8	Acenaphthylene	91	U	91	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.5	U	87.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	93.8	U	93.8	140	180	ug/Kg
83-32-9	Acenaphthene	85.3	U	85.3	140	180	ug/Kg
Total PAH	Total PAH	1393.9	U	1393.9	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	88.8	U	88.8	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	78.2	U	178.2	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.7	U	90.7	140	180	ug/Kg
84-66-2	Diethylphthalate	84.3	U	84.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.1	U	90.1	140	180	ug/Kg
86-73-7	Fluorene	89.9	U	89.9	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.8	U	85.8	140	180	ug/Kg
103-33-3	Azobenzene	83.7	U	83.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	83	U	83	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89.4	U	89.4	140	180	ug/Kg
1912-24-9	Atrazine	96.2	U	96.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-04-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BM047204.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.3	U	81.3	280	350	ug/Kg
85-01-8	Phenanthrene	88.4	U	88.4	140	180	ug/Kg
120-12-7	Anthracene	88.8	U	88.8	140	180	ug/Kg
86-74-8	Carbazole	84.5	U	84.5	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.7	U	88.7	140	180	ug/Kg
206-44-0	Fluoranthene	85.9	U	85.9	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	280	350	ug/Kg
129-00-0	Pyrene	87.3	U	87.3	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.9	U	84.9	140	180	ug/Kg
218-01-9	Chrysene	83.6	U	83.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.7	U	95.7	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.3	U	85.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.9	U	86.9	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.8	U	97.8	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.2	U	82.2	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.4	U	85.4	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.3	U	84.3	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.3	U	91.3	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.6	U	78.6	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	87.5	U	87.5	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.669		18-112		51	SPK: -150
13127-88-3	Phenol-d6	74.479		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	50.882		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	54.39		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-04-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
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
BM047204.D	1	8/9/2024 12:00:00 AM	8/14/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	80.217		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	74.165		10-105		74	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	357732	7.369				
1146-65-2	Naphthalene-d8	1366369	10.122				
15067-26-2	Acenaphthene-d10	889308	14.027				
1517-22-2	Phenanthrene-d10	1751628	16.786				
1719-03-5	Chrysene-d12	1159695	21.021				
1520-96-3	Perylene-d12	1171321	23.715				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM047205.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93.4	U	93.4	290	360	ug/Kg
110-86-1	Pyridine	86	U	86	140	180	ug/Kg
100-52-7	Benzaldehyde	200	U	200	290	360	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	89.2	U	89.2	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.1	U	90.1	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.9	U	89.9	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	91	U	91	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92.6	U	92.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.1	U	93.1	140	180	ug/Kg
100-51-6	Benzyl Alcohol	89.3	U	89.3	290	360	ug/Kg
95-48-7	2-Methylphenol	86.7	U	86.7	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.8	U	97.8	140	180	ug/Kg
98-86-2	Acetophenone	93.5	U	93.5	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.9	U	85.9	290	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.4	U	43.4	86.1	86.1	ug/Kg
67-72-1	Hexachloroethane	89.3	U	89.3	140	180	ug/Kg
98-95-3	Nitrobenzene	97.7	U	97.7	140	180	ug/Kg
78-59-1	Isophorone	91	U	91	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	92.3	U	92.3	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	81.3	U	81.3	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.9	U	91.9	140	180	ug/Kg
65-85-0	Benzoic acid	260	U	260	290	360	ug/Kg
91-20-3	Naphthalene	88.9	U	88.9	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.9	U	88.9	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.7	U	89.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM047205.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	93.4	U	93.4	290	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83.4	U	83.4	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.8	U	88.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.8	U	76.8	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.6	U	79.6	140	180	ug/Kg
92-52-4	1,1-Biphenyl	94.1	U	94.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.7	U	89.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.9	U	87.9	140	180	ug/Kg
208-96-8	Acenaphthylene	93.1	U	93.1	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.5	U	89.5	140	180	ug/Kg
99-09-2	3-Nitroaniline	96	U	96	140	180	ug/Kg
83-32-9	Acenaphthene	87.3	U	87.3	140	180	ug/Kg
Total PAH	Total PAH	1426.1	U	1426.1	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	360	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	360	ug/Kg
132-64-9	Dibenzofuran	90.8	U	90.8	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.8	U	92.8	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	82.3	U	182.3	140	360	ug/Kg
84-66-2	Diethylphthalate	86.2	U	86.2	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92.1	U	92.1	140	180	ug/Kg
86-73-7	Fluorene	92	U	92	140	180	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.8	U	87.8	140	180	ug/Kg
103-33-3	Azobenzene	85.7	U	85.7	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.9	U	84.9	140	180	ug/Kg
118-74-1	Hexachlorobenzene	91.5	U	91.5	140	180	ug/Kg
1912-24-9	Atrazine	98.4	U	98.4	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM047205.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	83.2	U	83.2	290	360	ug/Kg
85-01-8	Phenanthrene	90.4	U	90.4	140	180	ug/Kg
120-12-7	Anthracene	90.8	U	90.8	140	180	ug/Kg
86-74-8	Carbazole	86.4	U	86.4	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.7	U	90.7	140	180	ug/Kg
206-44-0	Fluoranthene	87.9	U	87.9	140	180	ug/Kg
92-87-5	Benzidine	180	U	180	290	360	ug/Kg
129-00-0	Pyrene	89.3	U	89.3	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	86.9	U	86.9	140	180	ug/Kg
218-01-9	Chrysene	85.6	U	85.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.9	U	97.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.9	U	88.9	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.1	U	84.1	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.4	U	87.4	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.2	U	86.2	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.4	U	93.4	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.4	U	80.4	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.5	U	89.5	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.787		18-112		39	SPK: -150
13127-88-3	Phenol-d6	59.356		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	37.182		18-107		37	SPK: -100
321-60-8	2-Fluorobiphenyl	34.425		20-109		34	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
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
BM047205.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	59.214		10-116		39	SPK: -150
1718-51-0	Terphenyl-d14	46.654		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	373456	7.369				
1146-65-2	Naphthalene-d8	1446130	10.122				
15067-26-2	Acenaphthene-d10	939821	14.027				
1517-22-2	Phenanthrene-d10	1829705	16.786				
1719-03-5	Chrysene-d12	1176839	21.021				
1520-96-3	Perylene-d12	1189039	23.715				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047206.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.9	U	92.9	290	350	ug/Kg
110-86-1	Pyridine	85.6	U	85.6	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.8	U	88.8	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.4	U	89.4	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.6	U	90.6	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	92.1	U	92.1	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.6	U	92.6	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.9	U	88.9	290	350	ug/Kg
95-48-7	2-Methylphenol	86.3	U	86.3	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97.3	U	97.3	140	180	ug/Kg
98-86-2	Acetophenone	93.1	U	93.1	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.5	U	85.5	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.2	U	43.2	85.7	85.7	ug/Kg
67-72-1	Hexachloroethane	88.9	U	88.9	140	180	ug/Kg
98-95-3	Nitrobenzene	97.2	U	97.2	140	180	ug/Kg
78-59-1	Isophorone	90.6	U	90.6	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.8	U	99.8	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.9	U	91.9	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.8	U	80.8	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.4	U	91.4	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.4	U	88.4	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.4	U	88.4	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	89.2	U	89.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047206.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.9	U	92.9	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	83	U	83	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88.3	U	88.3	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.5	U	76.5	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79.2	U	79.2	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.6	U	93.6	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	89.2	U	89.2	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.5	U	87.5	140	180	ug/Kg
208-96-8	Acenaphthylene	92.6	U	92.6	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.1	U	89.1	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.5	U	95.5	140	180	ug/Kg
83-32-9	Acenaphthene	86.8	U	86.8	140	180	ug/Kg
Total PAH	Total PAH	1418.8	U	1418.8	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90.4	U	90.4	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	181.4	U	181.4	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92.3	U	92.3	140	180	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.7	U	91.7	140	180	ug/Kg
86-73-7	Fluorene	91.6	U	91.6	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87.4	U	87.4	140	180	ug/Kg
103-33-3	Azobenzene	85.2	U	85.2	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.5	U	84.5	140	180	ug/Kg
118-74-1	Hexachlorobenzene	91	U	91	140	180	ug/Kg
1912-24-9	Atrazine	97.9	U	97.9	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047206.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.8	U	82.8	290	350	ug/Kg
85-01-8	Phenanthrene	89.9	U	89.9	140	180	ug/Kg
120-12-7	Anthracene	90.4	U	90.4	140	180	ug/Kg
86-74-8	Carbazole	86	U	86	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.3	U	90.3	140	180	ug/Kg
206-44-0	Fluoranthene	87.5	U	87.5	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.9	U	88.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.4	U	86.4	140	180	ug/Kg
218-01-9	Chrysene	85.1	U	85.1	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.8	U	86.8	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.4	U	88.4	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.6	U	99.6	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87	U	87	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.8	U	85.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80	U	80	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.1	U	89.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.367		18-112		46	SPK: -150
13127-88-3	Phenol-d6	67.003		15-107		45	SPK: -150
4165-60-0	Nitrobenzene-d5	43.736		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	39.304		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724	SDG No.:	BM081524
Lab Sample ID:	P3519-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047206.D	1	8/9/2024 12:00:00 AM	8/15/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	67.492		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	52.244		10-105		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	408081	7.369				
1146-65-2	Naphthalene-d8	1544284	10.122				
15067-26-2	Acenaphthene-d10	972133	14.028				
1517-22-2	Phenanthrene-d10	1782544	16.786				
1719-03-5	Chrysene-d12	1095751	21.021				
1520-96-3	Perylene-d12	1147766	23.721				



Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-TS-16-080724								
P3519-01	OU4-TS-16-080724	Solid	Benzo(a)anthracene	140.000	J	110	230	ug/Kg
P3519-01	OU4-TS-16-080724	Solid	Benzo(a)pyrene	150.000	J	130	230	ug/Kg
P3519-01	OU4-TS-16-080724	Solid	Benzo(b)fluoranthene	210.000	J	110	230	ug/Kg
P3519-01	OU4-TS-16-080724	Solid	Chrysene	150.000	J	110	230	ug/Kg
P3519-01	OU4-TS-16-080724	Solid	Fluoranthene	280.000		110	230	ug/Kg
P3519-01	OU4-TS-16-080724	Solid	Phenanthrene	120.000	J	120	230	ug/Kg
P3519-01	OU4-TS-16-080724	Solid	Pyrene	240.000		110	230	ug/Kg
Total Svoc :				1,290.00				
Total Concentration:				1,290.00				
Client ID : OU4-TS-17-080724								
P3519-03	OU4-TS-17-080724	Solid	Benzo(a)anthracene	260.000		110	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Benzo(a)pyrene	280.000		130	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Benzo(b)fluoranthene	330.000		110	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Benzo(g,h,i)perylene	160.000	J	110	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Benzo(k)fluoranthene	130.000	J	120	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Chrysene	270.000		110	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Fluoranthene	570.000		110	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Indeno(1,2,3-cd)pyrene	140.000	J	110	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Phenanthrene	420.000		120	240	ug/Kg
P3519-03	OU4-TS-17-080724	Solid	Pyrene	570.000		120	240	ug/Kg
Total Svoc :				3,130.00				
Total Concentration:				3,130.00				
Client ID : OU4-TS-18-080724								
P3519-05	OU4-TS-18-080724	Solid	Benzo(a)anthracene	210.000	J	110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Benzo(a)pyrene	210.000	J	130	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Benzo(b)fluoranthene	270.000		110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Benzo(g,h,i)perylene	130.000	J	110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Benzo(k)fluoranthene	110.000	J	110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Chrysene	210.000	J	110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Fluoranthene	400.000		110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Indeno(1,2,3-cd)pyrene	120.000	J	110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Phenanthrene	230.000		110	230	ug/Kg
P3519-05	OU4-TS-18-080724	Solid	Pyrene	420.000		110	230	ug/Kg
Total Svoc :				2,310.00				
Total Concentration:				2,310.00				
Client ID : OU4-TS-19-080724								

Hit Summary Sheet SW-846

SDG No.: BM081524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3519-07	OU4-TS-19-080724	Solid	Benzo(a)anthracene	110.000	J	110	240	ug/Kg
P3519-07	OU4-TS-19-080724	Solid	Benzo(b)fluoranthene	160.000	J	110	240	ug/Kg
P3519-07	OU4-TS-19-080724	Solid	Chrysene	130.000	J	110	240	ug/Kg
P3519-07	OU4-TS-19-080724	Solid	Fluoranthene	210.000	J	110	240	ug/Kg
P3519-07	OU4-TS-19-080724	Solid	Phenanthrene	120.000	J	120	240	ug/Kg
P3519-07	OU4-TS-19-080724	Solid	Pyrene	230.000	J	120	240	ug/Kg
Total Svoc :				960.00				
Total Concentration:				960.00				
Client ID : OU4-TS-20-080724								
P3519-09	OU4-TS-20-080724	Solid	Benzo(a)anthracene	140.000	J	110	230	ug/Kg
P3519-09	OU4-TS-20-080724	Solid	Benzo(a)pyrene	160.000	J	120	230	ug/Kg
P3519-09	OU4-TS-20-080724	Solid	Benzo(b)fluoranthene	210.000	J	110	230	ug/Kg
P3519-09	OU4-TS-20-080724	Solid	Benzo(g,h,i)perylene	110.000	J	110	230	ug/Kg
P3519-09	OU4-TS-20-080724	Solid	Chrysene	150.000	J	110	230	ug/Kg
P3519-09	OU4-TS-20-080724	Solid	Fluoranthene	260.000		110	230	ug/Kg
P3519-09	OU4-TS-20-080724	Solid	Pyrene	280.000		110	230	ug/Kg
Total Svoc :				1,310.00				
Total Concentration:				1,310.00				
Client ID : OU4-TS-21-080724								
P3519-11	OU4-TS-21-080724	Solid	Benzo(a)anthracene	290.000		110	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Benzo(a)pyrene	310.000		130	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Benzo(b)fluoranthene	470.000		120	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Benzo(g,h,i)perylene	210.000	J	110	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Benzo(k)fluoranthene	150.000	J	120	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Chrysene	370.000		110	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Fluoranthene	610.000		120	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Indeno(1,2,3-cd)pyrene	180.000	J	110	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Phenanthrene	260.000		120	240	ug/Kg
P3519-11	OU4-TS-21-080724	Solid	Pyrene	660.000		120	240	ug/Kg
Total Svoc :				3,510.00				
Total Concentration:				3,510.00				
Client ID : OU4-TS-22-080724								
P3519-13	OU4-TS-22-080724	Solid	Benzo(b)fluoranthene	110.000	J	110	230	ug/Kg
P3519-13	OU4-TS-22-080724	Solid	Fluoranthene	160.000	J	110	230	ug/Kg
P3519-13	OU4-TS-22-080724	Solid	Pyrene	160.000	J	110	230	ug/Kg
Total Svoc :				430.00				
Total Concentration:				430.00				
Client ID : OU4-TS-23-080724								
P3519-15	OU4-TS-23-080724	Solid	Benzo(a)anthracene	180.000	J	110	240	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: BM081524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3519-15	OU4-TS-23-080724	Solid	Benzo(a)pyrene	190.000	J	130	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Benzo(b)fluoranthene	260.000		120	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Benzo(g,h,i)perylene	130.000	J	110	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Chrysene	200.000	J	110	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Fluoranthene	360.000		120	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Indeno(1,2,3-cd)pyrene	110.000	J	110	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Phenanthrene	210.000	J	120	240	ug/Kg
P3519-15	OU4-TS-23-080724	Solid	Pyrene	400.000		120	240	ug/Kg
Total Svoc :				2,040.00				
Total Concentration:				2,040.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BM081024

SAS No.: BM081024

SDG No.: BM081024

Instrument ID:

Calibration Date(s): 8/10/2024

Calibration Time(s): 13:12

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

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

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

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081524 SAS No.: BM081524 SDG NO.: BM081524

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 14 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 16:10

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 PB162602BL	463084	7.37	1.83604e	10.12	1.28905e	14.03
02 OU4-TS-16-080724	259965	7.37	1.03574e	10.12	632553	14.02
03 OU4-TS-17-080724	345432	7.37	1.32279e	10.12	855111	14.03
04 OU4-TS-18-080724	362318	7.37	1.38958e	10.12	892726	14.03
05 OU4-TS-19-080724	345546	7.37	1.33883e	10.12	855094	14.03
06 OU4-TS-20-080724	350609	7.37	1.33138e	10.12	840531	14.03
07 OU4-TS-21-080724	365065	7.37	1.3944e+	10.12	876541	14.03
08 OU4-TS-22-080724	339424	7.37	1.30933e	10.12	840826	14.03
09 OU4-TS-23-080724	359457	7.37	1.37311e	10.12	877705	14.03
10 OU4-CF-02-080724	363334	7.37	1.40645e	10.12	910405	14.03
11 OU4-CF-03-080724	360362	7.37	1.39111e	10.12	894578	14.03
12 OU4-CF-04-080724	357732	7.37	1.36637e	10.12	889308	14.03
13 OU4-CF-05-080724	373456	7.37	1.44613e	10.12	939821	14.03
14 OU4-CF-06-080724	408081	7.37	1.54428e	10.12	972133	14.03

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.: BM081524 SAS No.: BM081524 SDG NO.: BM081524

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 14 2024 12:00AM

Lab File ID: BM047192.D Time Analyzed: 16:10

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	283801	7.369	1.22058e+01	10.12	815337	14.03
UPPER LIMIT	567602	7.869	2441160	10.622	1630674	14.527
LOWER LIMIT	141900.5	6.869	610290	9.622	407668.5	13.527
EPA SAMPLE NO.						
01 PB162602BL	463084	7.37	1.83604e	10.12	1.28905e	14.03
02 OU4-TS-16-080724	259965	7.37	1.03574e	10.12	632553	14.02
03 OU4-TS-17-080724	345432	7.37	1.32279e	10.12	855111	14.03
04 OU4-TS-18-080724	362318	7.37	1.38958e	10.12	892726	14.03
05 OU4-TS-19-080724	345546	7.37	1.33883e	10.12	855094	14.03
06 OU4-TS-20-080724	350609	7.37	1.33138e	10.12	840531	14.03
07 OU4-TS-21-080724	365065	7.37	1.3944e+	10.12	876541	14.03
08 OU4-TS-22-080724	339424	7.37	1.30933e	10.12	840826	14.03
09 OU4-TS-23-080724	359457	7.37	1.37311e	10.12	877705	14.03
10 OU4-CF-02-080724	363334	7.37	1.40645e	10.12	910405	14.03
11 OU4-CF-03-080724	360362	7.37	1.39111e	10.12	894578	14.03
12 OU4-CF-04-080724	357732	7.37	1.36637e	10.12	889308	14.03
13 OU4-CF-05-080724	373456	7.37	1.44613e	10.12	939821	14.03
14 OU4-CF-06-080724	408081	7.37	1.54428e	10.12	972133	14.03

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.: BM081524 SAS No.: BM081524 SDG NO.: BM081524

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 14 2024 12:00AM

Lab File ID: BM047144.D Time Analyzed: 16:10

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.						
01 PB162602BL	2.686e+01	16.79	1.98791e+01	21.02	2.01372e+01	23.72
02 OU4-TS-16-080724	1.35086	16.79	1.2908e+01	21.02	1.28042e+01	23.72
03 OU4-TS-17-080724	1.77699	16.79	1.36769e+01	21.02	1.30677e+01	23.72
04 OU4-TS-18-080724	1.7882e	16.79	1.25124e+01	21.02	1.20934e+01	23.72
05 OU4-TS-19-080724	1.77056	16.79	1.27371e+01	21.02	1.24347e+01	23.72
06 OU4-TS-20-080724	1.73828	16.79	1.23239e+01	21.02	1.22216e+01	23.72
07 OU4-TS-21-080724	1.7745e	16.79	1.17659e+01	21.02	1.1726e+01	23.72
08 OU4-TS-22-080724	1.67378	16.79	1.17194e+01	21.02	1.16535e+01	23.72
09 OU4-TS-23-080724	1.77647	16.79	1.14891e+01	21.02	1.17674e+01	23.72
10 OU4-CF-02-080724	1.81543	16.79	1.21709e+01	21.02	1.19331e+01	23.72
11 OU4-CF-03-080724	1.79342	16.79	1.18062e+01	21.02	1.17162e+01	23.72
12 OU4-CF-04-080724	1.75163	16.79	1.1597e+01	21.02	1.17132e+01	23.72
13 OU4-CF-05-080724	1.82971	16.79	1.17684e+01	21.02	1.18904e+01	23.72
14 OU4-CF-06-080724	1.78254	16.79	1.09575e+01	21.02	1.14777e+01	23.72

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM081524 SAS No.: BM081524 SDG NO.: BM081524

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 14 2024 12:00AM

Lab File ID: BM047192.D Time Analyzed: 16:10

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	1.78364e+01	16.786	1.59251e+01	21.027	1.85624e+01	23.721
UPPER LIMIT	3567280	17.286	3185020	21.527	3712480	24.221
LOWER LIMIT	891820	16.286	796255	20.527	928120	23.221
EPA SAMPLE NO.						
01 PB162602BL	2.686e+01	16.79	1.98791e+01	21.02	2.01372e+01	23.72
02 OU4-TS-16-080724	1.35086	16.79	1.2908e+01	21.02	1.28042e+01	23.72
03 OU4-TS-17-080724	1.77699	16.79	1.36769e+01	21.02	1.30677e+01	23.72
04 OU4-TS-18-080724	1.7882e	16.79	1.25124e+01	21.02	1.20934e+01	23.72
05 OU4-TS-19-080724	1.77056	16.79	1.27371e+01	21.02	1.24347e+01	23.72
06 OU4-TS-20-080724	1.73828	16.79	1.23239e+01	21.02	1.22216e+01	23.72
07 OU4-TS-21-080724	1.7745e	16.79	1.17659e+01	21.02	1.1726e+01	23.72
08 OU4-TS-22-080724	1.67378	16.79	1.17194e+01	21.02	1.16535e+01	23.72
09 OU4-TS-23-080724	1.77647	16.79	1.14891e+01	21.02	1.17674e+01	23.72
10 OU4-CF-02-080724	1.81543	16.79	1.21709e+01	21.02	1.19331e+01	23.72
11 OU4-CF-03-080724	1.79342	16.79	1.18062e+01	21.02	1.17162e+01	23.72
12 OU4-CF-04-080724	1.75163	16.79	1.1597e+01	21.02	1.17132e+01	23.72
13 OU4-CF-05-080724	1.82971	16.79	1.17684e+01	21.02	1.18904e+01	23.72
14 OU4-CF-06-080724	1.78254	16.79	1.09575e+01	21.02	1.14777e+01	23.72

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162602BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM081524

SAS No.: BM081524 SDG NO.: BM081524

Lab File ID: BM047193.D

Lab Sample ID: PB162602BL

Instrument ID: BNA_M

Date Extracted: 08/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/14/2024

Level: (low/med) LOW

Time Analyzed: 16:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OU4-TS-16-080724	P3519-01	BM047194.D	08/14/2024
OU4-TS-17-080724	P3519-03	BM047195.D	08/14/2024
OU4-TS-18-080724	P3519-05	BM047196.D	08/14/2024
OU4-TS-19-080724	P3519-07	BM047197.D	08/14/2024
OU4-TS-20-080724	P3519-09	BM047198.D	08/14/2024
OU4-TS-21-080724	P3519-11	BM047199.D	08/14/2024
OU4-TS-22-080724	P3519-13	BM047200.D	08/14/2024
OU4-TS-23-080724	P3519-15	BM047201.D	08/14/2024
OU4-CF-02-080724	P3519-19	BM047202.D	08/14/2024
OU4-CF-03-080724	P3519-21	BM047203.D	08/14/2024
OU4-CF-04-080724	P3519-23	BM047204.D	08/14/2024
OU4-CF-05-080724	P3519-25	BM047205.D	08/15/2024
OU4-CF-06-080724	P3519-27	BM047206.D	08/15/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM081524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3519-01	OU4-TS-16-080724BM047194.D		2-Fluorophenol	150	97.89	65		18	112
			Phenol-d6	150	94.74	63		15	107
			Nitrobenzene-d5	100	63.07	63		18	107
			2-Fluorobiphenyl	100	49.88	50		20	109
			2,4,6-Tribromophenol	150	88.49	59		10	116
			Terphenyl-d14	100	55.73	56		10	105
P3519-03	OU4-TS-17-080724BM047195.D		2-Fluorophenol	150	72.79	49		18	112
			Phenol-d6	150	69.50	46		15	107
			Nitrobenzene-d5	100	46.65	47		18	107
			2-Fluorobiphenyl	100	41.05	41		20	109
			2,4,6-Tribromophenol	150	72.19	48		10	116
			Terphenyl-d14	100	46.74	47		10	105
P3519-05	OU4-TS-18-080724BM047196.D		2-Fluorophenol	150	74.01	49		18	112
			Phenol-d6	150	71.88	48		15	107
			Nitrobenzene-d5	100	48.46	48		18	107
			2-Fluorobiphenyl	100	43.04	43		20	109
			2,4,6-Tribromophenol	150	74.23	49		10	116
			Terphenyl-d14	100	52.79	53		10	105
P3519-07	OU4-TS-19-080724BM047197.D		2-Fluorophenol	150	77.49	52		18	112
			Phenol-d6	150	75.45	50		15	107
			Nitrobenzene-d5	100	49.54	50		18	107
			2-Fluorobiphenyl	100	40.88	41		20	109
			2,4,6-Tribromophenol	150	78.55	52		10	116
			Terphenyl-d14	100	49.57	50		10	105
P3519-09	OU4-TS-20-080724BM047198.D		2-Fluorophenol	150	86.29	58		18	112
			Phenol-d6	150	84.02	56		15	107
			Nitrobenzene-d5	100	56.22	56		18	107
			2-Fluorobiphenyl	100	45.31	45		20	109
			2,4,6-Tribromophenol	150	87.91	59		10	116
			Terphenyl-d14	100	54.05	54		10	105
P3519-11	OU4-TS-21-080724BM047199.D		2-Fluorophenol	150	96.34	64		18	112
			Phenol-d6	150	95.64	64		15	107
			Nitrobenzene-d5	100	63.29	63		18	107
			2-Fluorobiphenyl	100	52.20	52		20	109
			2,4,6-Tribromophenol	150	99.56	66		10	116
			Terphenyl-d14	100	66.46	66		10	105
P3519-13	OU4-TS-22-080724BM047200.D		2-Fluorophenol	150	62.28	42		18	112
			Phenol-d6	150	60.49	40		15	107
			Nitrobenzene-d5	100	40.49	40		18	107
			2-Fluorobiphenyl	100	34.00	34		20	109
			2,4,6-Tribromophenol	150	62.94	42		10	116
			Terphenyl-d14	100	41.71	42		10	105
P3519-15	OU4-TS-23-080724BM047201.D		2-Fluorophenol	150	98.80	66		18	112
			Phenol-d6	150	97.38	65		15	107
			Nitrobenzene-d5	100	65.28	65		18	107
			2-Fluorobiphenyl	100	54.64	55		20	109
			2,4,6-Tribromophenol	150	104.50	70		10	116
			Terphenyl-d14	100	70.04	70		10	105
P3519-19	OU4-CF-02-080724BM047202.D		2-Fluorophenol	150	47.97	32		18	112

Surrogate Summary

SW-846

SDG No.: **BM081524**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3519-19	OU4-CF-02-080724BM047202.D		Phenol-d6	150	48.05	32		15	107
			Nitrobenzene-d5	100	31.98	32		18	107
			2-Fluorobiphenyl	100	35.37	35		20	109
			2,4,6-Tribromophenol	150	51.97	35		10	116
			Terphenyl-d14	100	47.91	48		10	105
P3519-21	OU4-CF-03-080724BM047203.D		2-Fluorophenol	150	85.44	57		18	112
			Phenol-d6	150	83.76	56		15	107
			Nitrobenzene-d5	100	55.92	56		18	107
			2-Fluorobiphenyl	100	57.22	57		20	109
			2,4,6-Tribromophenol	150	92.89	62		10	116
P3519-23	OU4-CF-04-080724BM047204.D		Terphenyl-d14	100	75.49	75		10	105
			2-Fluorophenol	150	76.67	51		18	112
			Phenol-d6	150	74.48	50		15	107
			Nitrobenzene-d5	100	50.88	51		18	107
			2-Fluorobiphenyl	100	54.39	54		20	109
P3519-25	OU4-CF-05-080724BM047205.D		2,4,6-Tribromophenol	150	80.22	53		10	116
			Terphenyl-d14	100	74.17	74		10	105
			2-Fluorophenol	150	58.79	39		18	112
			Phenol-d6	150	59.36	40		15	107
			Nitrobenzene-d5	100	37.18	37		18	107
P3519-27	OU4-CF-06-080724BM047206.D		2-Fluorobiphenyl	100	34.43	34		20	109
			2,4,6-Tribromophenol	150	59.21	39		10	116
			Terphenyl-d14	100	46.65	47		10	105
			2-Fluorophenol	150	68.37	46		18	112
			Phenol-d6	150	67.00	45		15	107
PB162602BL	PB162602BL	BM047193.D	Nitrobenzene-d5	100	43.74	44		18	107
			2-Fluorobiphenyl	100	39.30	39		20	109
			2,4,6-Tribromophenol	150	67.49	45		10	116
			Terphenyl-d14	100	52.24	52		10	105
			2-Fluorophenol	150	95.78	64		18	112
			Phenol-d6	150	91.89	61		15	107
			Nitrobenzene-d5	100	59.95	60		18	107
			2-Fluorobiphenyl	100	57.22	57		20	109
			2,4,6-Tribromophenol	150	86.57	58		10	116
			Terphenyl-d14	100	72.78	73		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM081524

Lab Code: CHEM

SAS No.: BM081524 SDG NO.: BM081524

Lab File ID: BM047191.D

DFTPP Injection Date: 08/14/2024

Instrument ID: BNA_M

DFTPP Injection Time: 14:50

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	42.7
68	Less than 2.0% of mass 69	0.8 (1.5) 1
69	Mass 69 relative abundance	52.6
70	Less than 2.0% of mass 69	0.3 (0.5) 1
127	10.0 - 80.0% of mass 198	56
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	6.8
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	56
443	15.0 - 24.0% of mass 442	10.8 (19.2) 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	BM047192.D	08/14/2024	15:30
PB162602BL	PB162602BL	BM047193.D	08/14/2024	16:10
OU4-TS-16-080724	P3519-01	BM047194.D	08/14/2024	16:50
OU4-TS-17-080724	P3519-03	BM047195.D	08/14/2024	17:31
OU4-TS-18-080724	P3519-05	BM047196.D	08/14/2024	18:11
OU4-TS-19-080724	P3519-07	BM047197.D	08/14/2024	18:51
OU4-TS-20-080724	P3519-09	BM047198.D	08/14/2024	19:31
OU4-TS-21-080724	P3519-11	BM047199.D	08/14/2024	20:11
OU4-TS-22-080724	P3519-13	BM047200.D	08/14/2024	20:51
OU4-TS-23-080724	P3519-15	BM047201.D	08/14/2024	21:31
OU4-CF-02-080724	P3519-19	BM047202.D	08/14/2024	22:11
OU4-CF-03-080724	P3519-21	BM047203.D	08/14/2024	22:51
OU4-CF-04-080724	P3519-23	BM047204.D	08/14/2024	23:30
OU4-CF-05-080724	P3519-25	BM047205.D	08/15/2024	00:10
OU4-CF-06-080724	P3519-27	BM047206.D	08/15/2024	00:50
SSTDCCC040EC	SSTDCCC040	BM047207.D	08/15/2024	02:09