

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP081924 SAS No.: BP081924 SDG No.: BP081924

Instrument ID: BNA_P Calibration Date/Time: 8/19/2024 11:25

Lab File ID: BP021549.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	0.536	0.493		-8.022	
Pyridine	1.783	1.613		-9.534	
2-Fluorophenol	1.347	1.362		1.114	
Benzaldehyde	1.258	0.987		-21.542	
Aniline	1.964	1.871		-4.735	
Phenol-d6	1.965	2.003		1.934	
Phenol	2.035	2.024		-0.541	20.0
bis(2-Chloroethyl)ether	1.722	1.599		-7.143	
2-Chlorophenol	1.245	1.329		6.747	
1,2-Dichlorobenzene	1.439	1.406		-2.293	
1,3-Dichlorobenzene	1.479	1.449		-2.028	
1,4-Dichlorobenzene	1.493	1.472		-1.407	20.0
Benzyl Alcohol	1.410	1.413		0.213	
2-Methylphenol	1.286	1.336		3.888	
2,2-oxybis(1-Chloropropane)	1.585	1.446		-8.77	
Acetophenone	0.614	0.577		-6.026	
3+4-Methylphenols	1.734	1.883		8.593	
n-Nitroso-di-n-propylamine	1.357	1.201	0.050	-11.496	
Nitrobenzene-d5	0.387	0.425		9.819	
Hexachloroethane	0.599	0.596		-0.501	
Nitrobenzene	0.421	0.429		1.9	
Isophorone	0.915	0.830		-9.29	
2-Nitrophenol	0.086	0.166		93.023	20.0
2,4-Dimethylphenol	0.226	0.229		1.327	
bis(2-Chloroethoxy)methane	0.559	0.516		-7.692	
2,4-Dichlorophenol	0.267	0.302		13.109	20.0
1,2,4-Trichlorobenzene	0.342	0.327		-4.386	
Benzoic acid	0.137	0.286		108.759	
Naphthalene	1.045	1.022		-2.201	
4-Chloroaniline	0.392	0.399		1.786	
Hexachlorobutadiene	0.215	0.202		-6.047	20.0
Caprolactam	0.111	0.132		18.919	
4-Chloro-3-methylphenol	0.370	0.412		11.351	20.0
2-Methylnaphthalene	0.713	0.696		-2.384	
Hexachlorocyclopentadiene	0.186	0.180	0.050	-3.226	
2,4,6-Trichlorophenol	0.326	0.383		17.485	20.0
2-Fluorobiphenyl	1.310	1.226		-6.412	
2,4,5-Trichlorophenol	0.362	0.429		18.508	
1,1-Biphenyl	1.415	1.368		-3.322	

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Lab File ID: BP021549.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.102	1.069		-2.995	
2-Nitroaniline	0.256	0.361		41.016	
Dimethylphthalate	1.339	1.342		0.224	
Acenaphthylene	1.619	1.610		-0.556	
2,6-Dinitrotoluene	0.232	0.307		32.328	
3-Nitroaniline	0.228	0.319		39.912	
Acenaphthene	1.063	1.103		3.763	20.0
2,4-Dinitrophenol	0.069	0.151	0.050	118.841	
4-Nitrophenol	0.195	0.281	0.050	44.103	
Dibenzofuran	1.635	1.613		-1.346	
2,4-Dinitrotoluene	0.284	0.425		49.648	
Diethylphthalate	1.374	1.390		1.164	
4-Chlorophenyl-phenylether	0.694	0.658		-5.187	
Fluorene	1.343	1.287		-4.17	
4-Nitroaniline	0.241	0.324		34.44	
4,6-Dinitro-2-methylphenol	0.054	0.099		83.333	
n-Nitrosodiphenylamine	0.536	0.518		-3.358	20.0
Azobenzene	1.689	1.496		-11.427	
2,4,6-Tribromophenol	0.223	0.266		19.283	
4-Bromophenyl-phenylether	0.212	0.201		-5.189	
Hexachlorobenzene	0.250	0.245		-2.0	
Atrazine	0.184	0.160		-13.043	
Pentachlorophenol	0.137	0.172		25.547	20.0
Phenanthrene	0.962	0.938		-2.495	
Anthracene	0.943	0.931		-1.273	
Carbazole	0.909	0.927		1.98	
Di-n-butylphthalate	1.116	1.127		0.986	
Fluoranthene	1.180	1.182		0.169	20.0
Benzidine	0.420	0.436		3.81	
Pyrene	1.307	1.329		1.683	
Terphenyl-d14	1.029	1.004		-2.43	
Butylbenzylphthalate	0.437	0.557		27.46	
3,3-Dichlorobenzidine	0.403	0.463		14.888	
Benzo(a)anthracene	1.256	1.254		-0.159	
Chrysene	1.185	1.190		0.422	
Bis(2-ethylhexyl)phthalate	0.742	0.833		12.264	
Di-n-octyl phthalate	1.199	1.430		19.266	20.0
Benzo(b)fluoranthene	1.149	1.140		-0.783	
Benzo(k)fluoranthene	1.121	1.059		-5.531	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP081924 SAS No.: BP081924 SDG No.: BP081924

Instrument ID: BNA_P Calibration Date/Time: 8/19/2024 11:25

Lab File ID: BP021549.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	0.997	0.997		0.0	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.303		0.54	
Dibenzo(a,h)anthracene	1.077	1.076		-0.093	
Benzo(g,h,i)perylene	1.080	1.090		0.926	
1,2,4,5-Tetrachlorobenzene	0.586	0.564		-3.754	
1,4-Dioxane	0.639	0.556		-12.989	20.0
2,3,4,6-Tetrachlorophenol	0.307	0.372		21.173	
1-Methylnaphthalene	0.703	0.699		-0.569	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP081924 SAS No.: BP081924 SDG No.: BP081924

Instrument ID: BNA_P Calibration Date/Time: 8/19/2024 1: 22:30

Lab File ID: BP021564.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	0.536	0.482		-10.075	50.0
Pyridine	1.783	1.515		-15.031	50.0
2-Fluorophenol	1.347	1.337		-0.742	50.0
Benzaldehyde	1.258	1.176		-6.518	50.0
Aniline	1.964	1.820		-7.332	50.0
Phenol-d6	1.965	1.988		1.17	50.0
Phenol	2.035	2.016		-0.934	50.0
bis(2-Chloroethyl) ether	1.722	1.578		-8.362	50.0
2-Chlorophenol	1.245	1.323		6.265	50.0
1,2-Dichlorobenzene	1.439	1.416		-1.598	50.0
1,3-Dichlorobenzene	1.479	1.456		-1.555	50.0
1,4-Dichlorobenzene	1.493	1.476		-1.139	50.0
Benzyl Alcohol	1.410	1.383		-1.915	50.0
2-Methylphenol	1.286	1.323		2.877	50.0
2,2-oxybis(1-Chloropropane)	1.585	1.427		-9.968	50.0
Acetophenone	0.614	0.564		-8.143	50.0
3+4-Methylphenols	1.734	1.861		7.324	50.0
n-Nitroso-di-n-propylamine	1.357	1.144	0.050	-15.696	50.0
Nitrobenzene-d5	0.387	0.415		7.235	50.0
Hexachloroethane	0.599	0.566		-5.509	50.0
Nitrobenzene	0.421	0.422		0.238	50.0
Isophorone	0.915	0.791		-13.552	50.0
2-Nitrophenol	0.086	0.163		89.535	50.0
2,4-Dimethylphenol	0.226	0.228		0.885	50.0
bis(2-Chloroethoxy) methane	0.559	0.497		-11.091	50.0
2,4-Dichlorophenol	0.267	0.298		11.61	50.0
1,2,4-Trichlorobenzene	0.342	0.334		-2.339	50.0
Benzoic acid	0.137	0.283		106.569	50.0
Naphthalene	1.045	1.022		-2.201	50.0
4-Chloroaniline	0.392	0.390		-0.51	50.0
Hexachlorobutadiene	0.215	0.206		-4.186	50.0
Caprolactam	0.111	0.123		10.811	50.0
4-Chloro-3-methylphenol	0.370	0.402		8.649	50.0
2-Methylnaphthalene	0.713	0.691		-3.086	50.0
Hexachlorocyclopentadiene	0.186	0.092	0.050	-50.538	50.0
2,4,6-Trichlorophenol	0.326	0.387		18.712	50.0
2-Fluorobiphenyl	1.310	1.230		-6.107	50.0
2,4,5-Trichlorophenol	0.362	0.433		19.613	50.0
1,1-Biphenyl	1.415	1.381		-2.403	50.0

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Instrument ID: BNA_P Calibration Date/Time: 8/19/2024 1: 22:30
Lab File ID: BP021564.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.102	1.085		-1.543	50.0
2-Nitroaniline	0.256	0.356		39.062	50.0
Dimethylphthalate	1.339	1.316		-1.718	50.0
Acenaphthylene	1.619	1.611		-0.494	50.0
2,6-Dinitrotoluene	0.232	0.302		30.172	50.0
3-Nitroaniline	0.228	0.319		39.912	50.0
Acenaphthene	1.063	1.053		-0.941	50.0
2,4-Dinitrophenol	0.069	0.072	0.050	4.348	50.0
4-Nitrophenol	0.195	0.273	0.050	40.0	50.0
Dibenzofuran	1.635	1.595		-2.446	50.0
2,4-Dinitrotoluene	0.284	0.418		47.183	50.0
Diethylphthalate	1.374	1.345		-2.111	50.0
4-Chlorophenyl-phenylether	0.694	0.650		-6.34	50.0
Fluorene	1.343	1.273		-5.212	50.0
4-Nitroaniline	0.241	0.325		34.855	50.0
4,6-Dinitro-2-methylphenol	0.054	0.055		1.852	50.0
n-Nitrosodiphenylamine	0.536	0.523		-2.425	50.0
Azobenzene	1.689	1.452		-14.032	50.0
2,4,6-Tribromophenol	0.223	0.260		16.592	50.0
4-Bromophenyl-phenylether	0.212	0.204		-3.774	50.0
Hexachlorobenzene	0.250	0.244		-2.4	50.0
Atrazine	0.184	0.147		-20.109	50.0
Pentachlorophenol	0.137	0.169		23.358	50.0
Phenanthrene	0.962	0.931		-3.222	50.0
Anthracene	0.943	0.923		-2.121	50.0
Carbazole	0.909	0.918		0.99	50.0
Di-n-butylphthalate	1.116	1.099		-1.523	50.0
Fluoranthene	1.180	1.150		-2.542	50.0
Benzidine	0.420	0.458		9.048	50.0
Pyrene	1.307	1.366		4.514	50.0
Terphenyl-d14	1.029	0.994		-3.401	50.0
Butylbenzylphthalate	0.437	0.567		29.748	50.0
3,3-Dichlorobenzidine	0.403	0.488		21.092	50.0
Benzo(a)anthracene	1.256	1.265		0.717	50.0
Chrysene	1.185	1.194		0.759	50.0
Bis(2-ethylhexyl)phthalate	0.742	0.843		13.612	50.0
Di-n-octyl phthalate	1.199	1.464		22.102	50.0
Benzo(b)fluoranthene	1.149	1.100		-4.265	50.0
Benzo(k)fluoranthene	1.121	1.069		-4.639	50.0

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Lab File ID: BP021564.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
Benzo(a)pyrene	0.997	0.990		-0.702	50.0
Indeno(1,2,3-cd)pyrene	1.296	1.302		0.463	50.0
Dibenzo(a,h)anthracene	1.077	1.072		-0.464	50.0
Benzo(g,h,i)perylene	1.080	1.091		1.019	50.0
1,2,4,5-Tetrachlorobenzene	0.586	0.572		-2.389	50.0
1,4-Dioxane	0.639	0.516		-19.249	50.0
2,3,4,6-Tetrachlorophenol	0.307	0.370		20.521	50.0
1-Methylnaphthalene	0.703	0.690		-1.849	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BL	SDG No.:	BP081924
Lab Sample ID:	PB162631BL	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
BP021550.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BL	SDG No.:	BP081924
Lab Sample ID:	PB162631BL	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
BP021550.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BL	SDG No.:	BP081924
Lab Sample ID:	PB162631BL	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
BP021550.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	132.366		18-112		88	SPK: -150
13127-88-3	Phenol-d6	123.154		15-107		82	SPK: -150
4165-60-0	Nitrobenzene-d5	90.482		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	78.498		20-109		78	SPK: -100

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BL	SDG No.:	BP081924
Lab Sample ID:	PB162631BL	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
BP021550.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.25		10-116		101	SPK: -150
1718-51-0	Terphenyl-d14	81.27		10-105		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	383179	7.805				
1146-65-2	Naphthalene-d8	1575272	10.598				
15067-26-2	Acenaphthene-d10	1045194	14.451				
1517-22-2	Phenanthrene-d10	2343127	17.263				
1719-03-5	Chrysene-d12	2292104	21.727				
1520-96-3	Perylene-d12	2593154	25.151				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.94	

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BS	SDG No.:	BP081924
Lab Sample ID:	PB162631BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021551.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	970		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	590		180	270	330	ug/Kg
62-53-3	Aniline	940		96.9	130	170	ug/Kg
108-95-2	Phenol	1600		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1500		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1300		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	2100		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	2300		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	900		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BS	SDG No.:	BP081924
Lab Sample ID:	PB162631BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021551.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1700		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1400		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81.1	130	170	ug/Kg
Total PAH	Total PAH	26500		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	4000	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1700		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BS	SDG No.:	BP081924
Lab Sample ID:	PB162631BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021551.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3600	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1600		84	130	170	ug/Kg
120-12-7	Anthracene	1600		84.4	130	170	ug/Kg
86-74-8	Carbazole	1600		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	130	170	ug/Kg
92-87-5	Benzidine	890		160	270	330	ug/Kg
129-00-0	Pyrene	1600		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	130	170	ug/Kg
218-01-9	Chrysene	1600		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	950		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	139.858		18-112		93	SPK: -150
13127-88-3	Phenol-d6	130.789		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	95.811		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	81.869		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	8/10/2024 12:00:00 AM
Project:		Date Received:	8/10/2024 12:00:00 AM
Client Sample ID:	PB162631BS	SDG No.:	BP081924
Lab Sample ID:	PB162631BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021551.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.943		10-116		102	SPK: -150
1718-51-0	Terphenyl-d14	85.573		10-105		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	450256	7.81				
1146-65-2	Naphthalene-d8	1831427	10.599				
15067-26-2	Acenaphthene-d10	1175681	14.457				
1517-22-2	Phenanthrene-d10	2499976	17.257				
1719-03-5	Chrysene-d12	2338286	21.721				
1520-96-3	Perylene-d12	2568887	25.168				

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	PB162717BS	SDG No.:	BP081924
Lab Sample ID:	PB162717BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021552.D	1	8/14/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	970		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	590		180	270	330	ug/Kg
62-53-3	Aniline	970		96.9	130	170	ug/Kg
108-95-2	Phenol	1600		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1700		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1300		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1500		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	2100		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	2300		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	900		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	PB162717BS	SDG No.:	BP081924
Lab Sample ID:	PB162717BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021552.D	1	8/14/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1800		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1400		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1700		81.1	130	170	ug/Kg
Total PAH	Total PAH	26400		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1600		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1600		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1500		85	130	170	ug/Kg
1912-24-9	Atrazine	1500		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	PB162717BS	SDG No.:	BP081924
Lab Sample ID:	PB162717BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021552.D	1	8/14/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3600	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1600		84	130	170	ug/Kg
120-12-7	Anthracene	1600		84.4	130	170	ug/Kg
86-74-8	Carbazole	1600		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	130	170	ug/Kg
92-87-5	Benzidine	900		160	270	330	ug/Kg
129-00-0	Pyrene	1600		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	130	170	ug/Kg
218-01-9	Chrysene	1600		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	960		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	139.662		18-112		93	SPK: -150
13127-88-3	Phenol-d6	130.561		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	95.046		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	80.015		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/14/2024 12:00:00 AM
Project:		Date Received:	8/14/2024 12:00:00 AM
Client Sample ID:	PB162717BS	SDG No.:	BP081924
Lab Sample ID:	PB162717BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021552.D	1	8/14/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.77		10-116		102	SPK: -150
1718-51-0	Terphenyl-d14	87.769		10-105		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	436259	7.81				
1146-65-2	Naphthalene-d8	1811554	10.593				
15067-26-2	Acenaphthene-d10	1208514	14.451				
1517-22-2	Phenanthrene-d10	2583716	17.263				
1719-03-5	Chrysene-d12	2417793	21.733				
1520-96-3	Perylene-d12	2661942	25.162				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-07-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BP021553.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-07-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BP021553.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	U	98	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	2220	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
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	130	U	130	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-07-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BP021553.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	140	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	770		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	570		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	170	J	110	180	230	ug/Kg
218-01-9	Chrysene	220	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	220	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	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	70.795		18-112		47	SPK: -150
13127-88-3	Phenol-d6	72.227		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	47.811		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	31.734		20-109		32	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-07-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	27.2
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
BP021553.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.844		10-116		49	SPK: -150
1718-51-0	Terphenyl-d14	33.778		10-105		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	383359	7.787				
1146-65-2	Naphthalene-d8	1658838	10.581				
15067-26-2	Acenaphthene-d10	1091246	14.457				
1517-22-2	Phenanthrene-d10	2252518	17.263				
1719-03-5	Chrysene-d12	2051926	21.733				
1520-96-3	Perylene-d12	2330089	25.192				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-05-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-09RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021554.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	180	230	ug/Kg
100-52-7	Benzaldehyde	250	U	250	360	440	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	360	440	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	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	54.3	U	54.3	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	230	ug/Kg
98-95-3	Nitrobenzene	120	U	120	180	230	ug/Kg
78-59-1	Isophorone	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	360	440	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-05-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-09RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021554.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	180	230	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	230	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	96.2	U	96.2	180	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.7	U	99.7	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	360	440	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	360	440	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	140	U	140	180	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	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	110	U	110	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-05-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-09RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021554.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	J	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	230		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	220	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	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	230	ug/Kg
218-01-9	Chrysene	130	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	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	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	85.6		18-112		57	SPK: -150
13127-88-3	Phenol-d6	86.266		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	58.112		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	38.806		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-05-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3518-09RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.9
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021554.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.705		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	40.593		10-105		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	380459	7.805				
1146-65-2	Naphthalene-d8	1641031	10.593				
15067-26-2	Acenaphthene-d10	1066429	14.451				
1517-22-2	Phenanthrene-d10	2220298	17.251				
1719-03-5	Chrysene-d12	1966852	21.704				
1520-96-3	Perylene-d12	2303251	25.145				

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-18-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3519-05RE	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
BP021555.D	1	8/9/2024 12:00:00 AM	8/19/2024 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-18-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3519-05RE	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
BP021555.D	1	8/9/2024 12:00:00 AM	8/19/2024 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	2290	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-18-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3519-05RE	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
BP021555.D	1	8/9/2024 12:00:00 AM	8/19/2024 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	450		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	390		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	220	J	110	180	230	ug/Kg
218-01-9	Chrysene	230		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	280		110	180	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	230	ug/Kg
50-32-8	Benzo(a)pyrene	220	J	130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	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	80.623		18-112		54	SPK: -150
13127-88-3	Phenol-d6	79.71		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	57.105		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	41.55		20-109		42	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-18-080724RE	SDG No.:	BP081924
Lab Sample ID:	P3519-05RE	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
BP021555.D	1	8/9/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	88.505		10-116		59	SPK: -150
1718-51-0	Terphenyl-d14	40.89		10-105		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	357349	7.805				
1146-65-2	Naphthalene-d8	1505906	10.593				
15067-26-2	Acenaphthene-d10	1003830	14.457				
1517-22-2	Phenanthrene-d10	2190569	17.263				
1719-03-5	Chrysene-d12	1987317	21.716				
1520-96-3	Perylene-d12	2340650	25.151				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
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
BP021556.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
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
BP021556.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	99.5	U	99.5	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	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
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
BP021556.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	460	ug/Kg
85-01-8	Phenanthrene	120	U	120	180	240	ug/Kg
120-12-7	Anthracene	120	U	120	180	240	ug/Kg
86-74-8	Carbazole	110	U	110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	240	ug/Kg
206-44-0	Fluoranthene	130	J	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	120	U	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	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	110	U	110	180	240	ug/Kg
218-01-9	Chrysene	110	U	110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	65.448		18-112		44	SPK: -150
13127-88-3	Phenol-d6	66.372		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	43.921		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	30.073		20-109		30	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
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
BP021556.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.997		10-116		48	SPK: -150
1718-51-0	Terphenyl-d14	33.711		10-105		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	372995	7.805				
1146-65-2	Naphthalene-d8	1605081	10.593				
15067-26-2	Acenaphthene-d10	1084749	14.451				
1517-22-2	Phenanthrene-d10	2315035	17.263				
1719-03-5	Chrysene-d12	2104646	21.716				
1520-96-3	Perylene-d12	2446205	25.157				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MS	SDG No.:	BP081924
Lab Sample ID:	P3518-15MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021557.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2100		120	380	460	ug/Kg
110-86-1	Pyridine	1700		110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	380	460	ug/Kg
62-53-3	Aniline	1700		140	180	240	ug/Kg
108-95-2	Phenol	2500		120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2200		120	180	240	ug/Kg
95-57-8	2-Chlorophenol	2700		120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300		120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	2300		120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	2300		120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	2400		120	380	460	ug/Kg
95-48-7	2-Methylphenol	2500		110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2200		130	180	240	ug/Kg
98-86-2	Acetophenone	2100		120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	2500		110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		56.2	110	110	ug/Kg
67-72-1	Hexachloroethane	2300		120	180	240	ug/Kg
98-95-3	Nitrobenzene	2400		130	180	240	ug/Kg
78-59-1	Isophorone	2100		120	180	240	ug/Kg
88-75-5	2-Nitrophenol	3100		130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	2700		130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2800		110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2300		120	180	240	ug/Kg
65-85-0	Benzoic acid	3200		330	380	460	ug/Kg
91-20-3	Naphthalene	2300		120	180	240	ug/Kg
106-47-8	4-Chloroaniline	1400		120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	2200		120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MS	SDG No.:	BP081924
Lab Sample ID:	P3518-15MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021557.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2400		120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2600		110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	2300		110	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4800	E	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2900		99.5	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2800		100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	2200		120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	2400		120	180	240	ug/Kg
88-74-4	2-Nitroaniline	2800		130	180	240	ug/Kg
131-11-3	Dimethylphthalate	2400		110	180	240	ug/Kg
208-96-8	Acenaphthylene	2600		120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2600		120	180	240	ug/Kg
99-09-2	3-Nitroaniline	2300		120	180	240	ug/Kg
83-32-9	Acenaphthene	2600		110	180	240	ug/Kg
Total PAH	Total PAH	39800		1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	4900	E	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	5700	E	160	380	460	ug/Kg
132-64-9	Dibenzofuran	2400		120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5400		240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	2800		120	180	240	ug/Kg
84-66-2	Diethylphthalate	2300		110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		120	180	240	ug/Kg
86-73-7	Fluorene	2300		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	2600		150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2800		160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2400		110	180	240	ug/Kg
103-33-3	Azobenzene	2100		110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2300		110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	2300		120	180	240	ug/Kg
1912-24-9	Atrazine	2300		130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MS	SDG No.:	BP081924
Lab Sample ID:	P3518-15MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021557.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	5400	E	110	380	460	ug/Kg
85-01-8	Phenanthrene	2500		120	180	240	ug/Kg
120-12-7	Anthracene	2500		120	180	240	ug/Kg
86-74-8	Carbazole	2400		110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	2400		120	180	240	ug/Kg
206-44-0	Fluoranthene	2400		110	180	240	ug/Kg
92-87-5	Benzidine	2400		230	380	460	ug/Kg
129-00-0	Pyrene	2600		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	2600		130	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2500		140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	2600		110	180	240	ug/Kg
218-01-9	Chrysene	2500		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2600		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2600		150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2400		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	2400		120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	2600		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2600		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2500		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2400		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2200		120	180	240	ug/Kg
123-91-1	1,4-Dioxane	1700		150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3000		100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	2100		120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.783		18-112		60	SPK: -150
13127-88-3	Phenol-d6	87.254		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	62.782		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	43.545		20-109		44	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MS	SDG No.:	BP081924
Lab Sample ID:	P3518-15MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021557.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.589		10-116		62	SPK: -150
1718-51-0	Terphenyl-d14	41.246		10-105		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	380912	7.81				
1146-65-2	Naphthalene-d8	1541185	10.598				
15067-26-2	Acenaphthene-d10	961255	14.457				
1517-22-2	Phenanthrene-d10	2031100	17.269				
1719-03-5	Chrysene-d12	1811609	21.733				
1520-96-3	Perylene-d12	2263954	25.174				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MSD	SDG No.:	BP081924
Lab Sample ID:	P3518-15MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021558.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2300		120	380	460	ug/Kg
110-86-1	Pyridine	1900		110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	380	460	ug/Kg
62-53-3	Aniline	1900		130	180	240	ug/Kg
108-95-2	Phenol	2700		120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2400		120	180	240	ug/Kg
95-57-8	2-Chlorophenol	2900		120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	2500		120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	2500		120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500		120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	2600		120	380	460	ug/Kg
95-48-7	2-Methylphenol	2700		110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2400		130	180	240	ug/Kg
98-86-2	Acetophenone	2200		120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	2800		110	380	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2100		56.1	110	110	ug/Kg
67-72-1	Hexachloroethane	2500		120	180	240	ug/Kg
98-95-3	Nitrobenzene	2500		130	180	240	ug/Kg
78-59-1	Isophorone	2300		120	180	240	ug/Kg
88-75-5	2-Nitrophenol	3300		130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	2900		130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2300		120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	3100		110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2500		120	180	240	ug/Kg
65-85-0	Benzoic acid	3400		330	380	460	ug/Kg
91-20-3	Naphthalene	2500		120	180	240	ug/Kg
106-47-8	4-Chloroaniline	1500		120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	2400		120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MSD	SDG No.:	BP081924
Lab Sample ID:	P3518-15MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021558.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2700		120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2900		110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	2500		110	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5600	E	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3200		99.4	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3000		100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	2300		120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	2500		120	180	240	ug/Kg
88-74-4	2-Nitroaniline	3000		130	180	240	ug/Kg
131-11-3	Dimethylphthalate	2600		110	180	240	ug/Kg
208-96-8	Acenaphthylene	2800		120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2800		120	180	240	ug/Kg
99-09-2	3-Nitroaniline	2500		120	180	240	ug/Kg
83-32-9	Acenaphthene	2700		110	180	240	ug/Kg
Total PAH	Total PAH	43200		1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	5200	E	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	6100	E	160	380	460	ug/Kg
132-64-9	Dibenzofuran	2600		120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	5800		240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	3000		120	180	240	ug/Kg
84-66-2	Diethylphthalate	2500		110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2400		120	180	240	ug/Kg
86-73-7	Fluorene	2400		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	2800		150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3100		160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2600		110	180	240	ug/Kg
103-33-3	Azobenzene	2300		110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2500		110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	2500		120	180	240	ug/Kg
1912-24-9	Atrazine	2600		130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MSD	SDG No.:	BP081924
Lab Sample ID:	P3518-15MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021558.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	5900	E	110	380	460	ug/Kg
85-01-8	Phenanthrene	2700		120	180	240	ug/Kg
120-12-7	Anthracene	2700		120	180	240	ug/Kg
86-74-8	Carbazole	2600		110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	2600		120	180	240	ug/Kg
206-44-0	Fluoranthene	2700		110	180	240	ug/Kg
92-87-5	Benzidine	2800		230	380	460	ug/Kg
129-00-0	Pyrene	2800		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	2900		130	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2700		140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	2800		110	180	240	ug/Kg
218-01-9	Chrysene	2800		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2900		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2800		150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	2600		120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	2800		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2700		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2700		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2300		120	180	240	ug/Kg
123-91-1	1,4-Dioxane	1800		150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3200		100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	2400		120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.969		18-112		65	SPK: -150
13127-88-3	Phenol-d6	96.361		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	67.247		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	46.448		20-109		46	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-08-080724MSD	SDG No.:	BP081924
Lab Sample ID:	P3518-15MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.3
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021558.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	102.282		10-116		68	SPK: -150
1718-51-0	Terphenyl-d14	45.082		10-105		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	341396	7.804				
1146-65-2	Naphthalene-d8	1418891	10.598				
15067-26-2	Acenaphthene-d10	927420	14.451				
1517-22-2	Phenanthrene-d10	1948663	17.251				
1719-03-5	Chrysene-d12	1729550	21.704				
1520-96-3	Perylene-d12	2112740	25.133				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-12-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.9
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
BP021559.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	110	U	110	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	53.6	U	53.6	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	310	U	310	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-12-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.9
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
BP021559.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	94.9	U	94.9	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.3	U	98.3	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	110	U	110	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	1760	U	1760	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	230	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	100	U	100	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-12-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.9
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
BP021559.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	200	J	110	170	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	180	J	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	110	J	110	170	230	ug/Kg
218-01-9	Chrysene	120	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	150	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	120	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	U	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	99.3	U	99.3	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	71.886		18-112		48	SPK: -150
13127-88-3	Phenol-d6	71.363		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	51.555		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	37.867		20-109		38	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-12-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-23	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.9
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
BP021559.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.804		10-116		55	SPK: -150
1718-51-0	Terphenyl-d14	40.122		10-105		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	417595	7.811				
1146-65-2	Naphthalene-d8	1738767	10.599				
15067-26-2	Acenaphthene-d10	1099897	14.451				
1517-22-2	Phenanthrene-d10	2236339	17.257				
1719-03-5	Chrysene-d12	1958241	21.727				
1520-96-3	Perylene-d12	2293581	25.157				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-13-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.7
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
BP021560.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	110	U	110	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	53.5	U	53.5	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	310	U	310	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-13-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.7
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
BP021560.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	94.8	U	94.8	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98.2	U	98.2	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	110	U	110	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	1760	U	1760	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	230	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	100	U	100	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



Client:			Date Collected:	8/7/2024 12:00:00 AM	
Project:			Date Received:	8/7/2024 12:00:00 AM	
Client Sample ID:	OU4-TS-13-080724		SDG No.:	BP081924	
Lab Sample ID:	P3518-25		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	24.7	
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
BP021560.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	140	J	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	300		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	150	J	110	170	230	ug/Kg
218-01-9	Chrysene	170	J	110	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	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	240		110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	190	J	120	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	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	150	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	99.1	U	99.1	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.19		18-112		53	SPK: -150
13127-88-3	Phenol-d6	80.324		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	58.02		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	42.41		20-109		42	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-13-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-25	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	24.7
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
BP021560.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.211		10-116		62	SPK: -150
1718-51-0	Terphenyl-d14	44.274		10-105		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	368873	7.804				
1146-65-2	Naphthalene-d8	1549880	10.593				
15067-26-2	Acenaphthene-d10	1017895	14.457				
1517-22-2	Phenanthrene-d10	2139035	17.257				
1719-03-5	Chrysene-d12	1871324	21.727				
1520-96-3	Perylene-d12	2176723	25.162				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-14-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.4
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
BP021561.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	350	420	ug/Kg
110-86-1	Pyridine	100	U	100	170	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	350	420	ug/Kg
62-53-3	Aniline	120	U	120	170	220	ug/Kg
108-95-2	Phenol	110	U	110	170	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	170	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	170	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	170	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	350	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	170	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	220	ug/Kg
98-86-2	Acetophenone	110	U	110	170	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	350	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51.8	U	51.8	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	170	220	ug/Kg
98-95-3	Nitrobenzene	120	U	120	170	220	ug/Kg
78-59-1	Isophorone	110	U	110	170	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	170	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	170	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	170	220	ug/Kg
120-83-2	2,4-Dichlorophenol	97.1	U	97.1	170	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	170	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	350	420	ug/Kg
91-20-3	Naphthalene	110	U	110	170	220	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	170	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-14-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.4
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
BP021561.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	350	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.7	U	99.7	170	220	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	170	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	350	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	91.9	U	91.9	170	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	95.2	U	95.2	170	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	170	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	170	220	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	170	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	170	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	170	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	170	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	170	220	ug/Kg
Total PAH	Total PAH	1700	U	1700	170	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	350	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	350	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	170	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	170	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	170	440	ug/Kg
84-66-2	Diethylphthalate	100	U	100	170	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	170	220	ug/Kg
86-73-7	Fluorene	110	U	110	170	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	350	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	170	220	ug/Kg
103-33-3	Azobenzene	100	U	100	170	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	170	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	170	220	ug/Kg
1912-24-9	Atrazine	120	U	120	170	220	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-14-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021561.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	99.4	U	99.4	350	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	170	220	ug/Kg
120-12-7	Anthracene	110	U	110	170	220	ug/Kg
86-74-8	Carbazole	100	U	100	170	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	170	220	ug/Kg
206-44-0	Fluoranthene	200	J	110	170	220	ug/Kg
92-87-5	Benzidine	210	U	210	350	420	ug/Kg
129-00-0	Pyrene	190	J	110	170	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	170	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	350	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	170	220	ug/Kg
218-01-9	Chrysene	130	J	100	170	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	170	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	350	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	J	100	170	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	170	220	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	120	170	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	100	U	100	170	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	170	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	170	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	170	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	170	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.1	U	96.1	170	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.044		18-112		63	SPK: -150
13127-88-3	Phenol-d6	92.937		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	67.372		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	46.661		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-14-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-27	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021561.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	104.747		10-116		70	SPK: -150
1718-51-0	Terphenyl-d14	46.583		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	422639	7.805				
1146-65-2	Naphthalene-d8	1779954	10.593				
15067-26-2	Acenaphthene-d10	1119364	14.469				
1517-22-2	Phenanthrene-d10	2288861	17.263				
1719-03-5	Chrysene-d12	1977163	21.722				
1520-96-3	Perylene-d12	2307034	25.157				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-15-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-29	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021562.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	56.7	U	56.7	110	110	ug/Kg
67-72-1	Hexachloroethane	120	U	120	180	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	180	240	ug/Kg
78-59-1	Isophorone	120	U	120	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	240	ug/Kg
65-85-0	Benzoic acid	330	U	330	380	460	ug/Kg
91-20-3	Naphthalene	120	U	120	180	240	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-15-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-29	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021562.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	2440	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:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-15-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-29	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021562.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	230	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	490		110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	450		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	230	J	110	180	240	ug/Kg
218-01-9	Chrysene	230	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	290		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	240		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	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	150	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	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	82.761		18-112		55	SPK: -150
13127-88-3	Phenol-d6	80.896		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	59.4		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	39.195		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-15-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-29	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021562.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	94.567		10-116		63	SPK: -150
1718-51-0	Terphenyl-d14	40.253		10-105		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	389378	7.804				
1146-65-2	Naphthalene-d8	1621279	10.593				
15067-26-2	Acenaphthene-d10	1064838	14.451				
1517-22-2	Phenanthrene-d10	2274834	17.257				
1719-03-5	Chrysene-d12	2002605	21.721				
1520-96-3	Perylene-d12	2354433	25.162				

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-10-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.9
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
BP021563.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	190	240	ug/Kg
100-52-7	Benzaldehyde	260	U	260	380	470	ug/Kg
62-53-3	Aniline	140	U	140	190	240	ug/Kg
108-95-2	Phenol	120	U	120	190	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	190	240	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	190	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	190	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	190	240	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	380	470	ug/Kg
95-48-7	2-Methylphenol	110	U	110	190	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	190	240	ug/Kg
98-86-2	Acetophenone	120	U	120	190	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	380	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	57.4	U	57.4	110	110	ug/Kg
67-72-1	Hexachloroethane	120	U	120	190	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	190	240	ug/Kg
78-59-1	Isophorone	120	U	120	190	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	190	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	190	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	190	240	ug/Kg
65-85-0	Benzoic acid	340	U	340	380	470	ug/Kg
91-20-3	Naphthalene	120	U	120	190	240	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	190	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-10-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.9
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
BP021563.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	190	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	190	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	380	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	190	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	190	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	190	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	240	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	240	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	190	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	190	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	190	240	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	240	ug/Kg
83-32-9	Acenaphthene	120	U	120	190	240	ug/Kg
Total PAH	Total PAH	2820	U	1890	190	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	380	470	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	380	470	ug/Kg
132-64-9	Dibenzofuran	120	U	120	190	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	190	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	190	480	ug/Kg
84-66-2	Diethylphthalate	110	U	110	190	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	190	240	ug/Kg
86-73-7	Fluorene	120	U	120	190	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	190	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	380	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	190	240	ug/Kg
103-33-3	Azobenzene	110	U	110	190	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	240	ug/Kg
1912-24-9	Atrazine	130	U	130	190	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-10-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.9
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
BP021563.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

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	420		120	190	240	ug/Kg
120-12-7	Anthracene	120	U	120	190	240	ug/Kg
86-74-8	Carbazole	110	U	110	190	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	190	240	ug/Kg
206-44-0	Fluoranthene	910		120	190	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	470	ug/Kg
129-00-0	Pyrene	670		120	190	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	470	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	110	190	240	ug/Kg
218-01-9	Chrysene	270		110	190	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	240	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	380	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	250		120	190	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	190	240	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	130	190	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	190	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	190	240	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	190	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	190	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.66		18-112		60	SPK: -150
13127-88-3	Phenol-d6	87.684		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	63.352		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	43.87		20-109		44	SPK: -100

Report of Analysis

Client:		Date Collected:	8/7/2024 12:00:00 AM
Project:		Date Received:	8/7/2024 12:00:00 AM
Client Sample ID:	OU4-TS-10-080724	SDG No.:	BP081924
Lab Sample ID:	P3518-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	29.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021563.D	1	8/10/2024 12:00:00 AM	8/19/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	99.087		10-116		66	SPK: -150
1718-51-0	Terphenyl-d14	47.123		10-105		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	410606	7.81				
1146-65-2	Naphthalene-d8	1711864	10.598				
15067-26-2	Acenaphthene-d10	1080200	14.451				
1517-22-2	Phenanthrene-d10	2202973	17.263				
1719-03-5	Chrysene-d12	1891065	21.721				
1520-96-3	Perylene-d12	2235797	25.162				

Hit Summary Sheet SW-846

SDG No.: BP081924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-TS-05-080724RE								
P3518-09RE	OU4-TS-05-080724RE	Solid	Benzo(b)fluoranthene	150.000	J	110	230	ug/Kg
P3518-09RE	OU4-TS-05-080724RE	Solid	Chrysene	130.000	J	110	230	ug/Kg
P3518-09RE	OU4-TS-05-080724RE	Solid	Fluoranthene	230.000		110	230	ug/Kg
P3518-09RE	OU4-TS-05-080724RE	Solid	Phenanthrene	110.000	J	110	230	ug/Kg
P3518-09RE	OU4-TS-05-080724RE	Solid	Pyrene	220.000	J	110	230	ug/Kg
Total Svoc :				840.00				
Total Concentration:				840.00				
Client ID : OU4-TS-07-080724RE								
P3518-13RE	OU4-TS-07-080724RE	Solid	Benzo(a)anthracene	170.000	J	110	230	ug/Kg
P3518-13RE	OU4-TS-07-080724RE	Solid	Benzo(a)pyrene	130.000	J	130	230	ug/Kg
P3518-13RE	OU4-TS-07-080724RE	Solid	Benzo(b)fluoranthene	220.000	J	110	230	ug/Kg
P3518-13RE	OU4-TS-07-080724RE	Solid	Chrysene	220.000	J	110	230	ug/Kg
P3518-13RE	OU4-TS-07-080724RE	Solid	Fluoranthene	770.000		110	230	ug/Kg
P3518-13RE	OU4-TS-07-080724RE	Solid	Phenanthrene	140.000	J	120	230	ug/Kg
P3518-13RE	OU4-TS-07-080724RE	Solid	Pyrene	570.000		110	230	ug/Kg
Total Svoc :				2,220.00				
Total Concentration:				2,220.00				
Client ID : OU4-TS-08-080724								
P3518-15	OU4-TS-08-080724	Solid	Fluoranthene	130.000	J	110	240	ug/Kg
Total Svoc :				130.00				
Total Concentration:				130.00				
Client ID : OU4-TS-10-080724								
P3518-19	OU4-TS-10-080724	Solid	Benzo(a)anthracene	160.000	J	110	240	ug/Kg
P3518-19	OU4-TS-10-080724	Solid	Benzo(a)pyrene	140.000	J	130	240	ug/Kg
P3518-19	OU4-TS-10-080724	Solid	Benzo(b)fluoranthene	250.000		120	240	ug/Kg
P3518-19	OU4-TS-10-080724	Solid	Chrysene	270.000		110	240	ug/Kg
P3518-19	OU4-TS-10-080724	Solid	Fluoranthene	910.000		120	240	ug/Kg
P3518-19	OU4-TS-10-080724	Solid	Phenanthrene	420.000		120	240	ug/Kg
P3518-19	OU4-TS-10-080724	Solid	Pyrene	670.000		120	240	ug/Kg
Total Svoc :				2,820.00				
Total Concentration:				2,820.00				
Client ID : OU4-TS-12-080724								
P3518-23	OU4-TS-12-080724	Solid	Benzo(a)anthracene	110.000	J	110	230	ug/Kg
P3518-23	OU4-TS-12-080724	Solid	Benzo(a)pyrene	120.000	J	120	230	ug/Kg
P3518-23	OU4-TS-12-080724	Solid	Benzo(b)fluoranthene	150.000	J	110	230	ug/Kg
P3518-23	OU4-TS-12-080724	Solid	Chrysene	120.000	J	110	230	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP081924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3518-23	OU4-TS-12-080724	Solid	Fluoranthene	200.000	J	110	230	ug/Kg
P3518-23	OU4-TS-12-080724	Solid	Pyrene	180.000	J	110	230	ug/Kg
Total Svoc :				880.00				
Total Concentration:				880.00				
Client ID : OU4-TS-13-080724								
P3518-25	OU4-TS-13-080724	Solid	Benzo(a)anthracene	150.000	J	110	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Benzo(a)pyrene	190.000	J	120	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Benzo(b)fluoranthene	240.000		110	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Benzo(g,h,i)perylene	150.000	J	110	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Bis(2-ethylhexyl)phthalate	120.000	J	120	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Chrysene	170.000	J	110	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Fluoranthene	300.000		110	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Indeno(1,2,3-cd)pyrene	120.000	J	100	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Phenanthrene	140.000	J	110	230	ug/Kg
P3518-25	OU4-TS-13-080724	Solid	Pyrene	280.000		110	230	ug/Kg
Total Svoc :				1,860.00				
Total Concentration:				1,860.00				
Client ID : OU4-TS-14-080724								
P3518-27	OU4-TS-14-080724	Solid	Benzo(a)pyrene	130.000	J	120	220	ug/Kg
P3518-27	OU4-TS-14-080724	Solid	Benzo(b)fluoranthene	170.000	J	100	220	ug/Kg
P3518-27	OU4-TS-14-080724	Solid	Chrysene	130.000	J	100	220	ug/Kg
P3518-27	OU4-TS-14-080724	Solid	Fluoranthene	200.000	J	110	220	ug/Kg
P3518-27	OU4-TS-14-080724	Solid	Pyrene	190.000	J	110	220	ug/Kg
Total Svoc :				820.00				
Total Concentration:				820.00				
Client ID : OU4-TS-15-080724								
P3518-29	OU4-TS-15-080724	Solid	Benzo(a)anthracene	230.000	J	110	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Benzo(a)pyrene	240.000		130	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Benzo(b)fluoranthene	290.000		110	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Benzo(g,h,i)perylene	150.000	J	110	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Chrysene	230.000	J	110	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Fluoranthene	490.000		110	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Indeno(1,2,3-cd)pyrene	130.000	J	110	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Phenanthrene	230.000	J	120	240	ug/Kg
P3518-29	OU4-TS-15-080724	Solid	Pyrene	450.000		120	240	ug/Kg
Total Svoc :				2,440.00				
Total Concentration:				2,440.00				
Client ID : OU4-TS-18-080724RE								
P3519-05RE	OU4-TS-18-080724RE	Solid	Benzo(a)anthracene	220.000	J	110	230	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP081924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3519-05RE	OU4-TS-18-080724RE	Solid	Benzo(a)pyrene	220.000	J	130	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Benzo(b)fluoranthene	280.000		110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Benzo(g,h,i)perylene	140.000	J	110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Chrysene	230.000		110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Fluoranthene	450.000		110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Indeno(1,2,3-cd)pyrene	130.000	J	110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Phenanthrene	230.000		110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Pyrene	390.000		110	230	ug/Kg
Total Svoc :						2,290.00		
Total Concentration:						2,290.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP081324 SAS No.: BP081324 SDG No.: BP081324
Instrument ID: _____ Calibration Date(s): 8/13/2024 : _____
Calibration Time(s): 12:32 _____

LAB FILE ID:		RRF2.5 = BP021481.D			RRF005 = BP021482.D		RRF010 = BP021483.D	
		RRF020 = BP021484.D			RRF040 = BP021485.D		RRF050 = BP021486.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.545	0.525	0.568	0.532	0.516	0.536	3.4
Pyridine		1.744	1.720	1.915	1.802	1.741	1.783	4.0
2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.347	3.2
Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.258	13.7
Aniline		1.964	2.035	2.053	1.978	1.925	1.964	3.6
Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.965	2.9
Phenol		1.968	2.023	2.138	2.045	2.020	2.035	2.9
bis(2-Chloroethyl)ether		1.757	1.800	1.787	1.702	1.680	1.722	3.5
2-Chlorophenol		1.199	1.221	1.291	1.250	1.236	1.245	2.7
1,2-Dichlorobenzene		1.523	1.475	1.513	1.410	1.377	1.439	4.6
1,3-Dichlorobenzene		1.579	1.479	1.546	1.452	1.422	1.479	4.3
1,4-Dichlorobenzene		1.571	1.514	1.553	1.475	1.435	1.493	3.9
Benzyl Alcohol		1.306	1.454	1.474	1.415	1.417	1.410	4.1
2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.286	3.0
2,2-oxybis(1-Chloropropane)		1.639	1.716	1.642	1.546	1.549	1.585	5.2
Acetophenone		0.636	0.621	0.643	0.612	0.591	0.614	3.3
3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.734	4.5
n-Nitroso-di-n-propylamine	1.329	1.436	1.555	1.433	1.340	1.308	1.357	8.4
Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.387	13.1
Hexachloroethane		0.599	0.590	0.617	0.594	0.587	0.599	2.0
Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.421	10.4
Isophorone		0.947	0.970	0.951	0.913	0.877	0.915	4.5
2-Nitrophenol		0.054	0.063	0.076	0.094	0.107	0.086	30.3
2,4-Dimethylphenol		0.218	0.225	0.232	0.225	0.221	0.226	2.3
bis(2-Chloroethoxy)methane		0.577	0.574	0.572	0.549	0.542	0.559	2.7
2,4-Dichlorophenol		0.226	0.249	0.270	0.273	0.275	0.267	8.4
1,2,4-Trichlorobenzene		0.355	0.332	0.347	0.340	0.331	0.342	2.6
Benzoic acid			0.082	0.104	0.129	0.151	0.137	29.1
Naphthalene		1.084	1.041	1.074	1.041	1.002	1.045	2.6
4-Chloroaniline		0.394	0.403	0.406	0.395	0.379	0.392	2.6
Hexachlorobutadiene		0.217	0.213	0.218	0.215	0.210	0.215	1.5
Caprolactam		0.099	0.115	0.118	0.114	0.109	0.111	5.4
4-Chloro-3-methylphenol		0.332	0.375	0.382	0.383	0.370	0.370	4.7
2-Methylnaphthalene		0.747	0.742	0.730	0.705	0.683	0.713	3.8
Hexachlorocyclopentadiene		0.159	0.153	0.174	0.192	0.195	0.186	13.2
2,4,6-Trichlorophenol		0.261	0.284	0.318	0.343	0.339	0.326	12.5

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.: BP081324 SAS No.: BP081324 SDG No.: BP081324
Instrument ID: _____ Calibration Date(s): 8/13/2024 : _____
Calibration Time(s): 12:32 _____

LAB FILE ID:		RRF2.5 = BP021481.D			RRF005 = BP021482.D		RRF010 = BP021483.D	
		RRF020 = BP021484.D			RRF040 = BP021485.D		RRF050 = BP021486.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.371	1.314	1.335	1.327	1.264	1.310	3.1
2,4,5-Trichlorophenol		0.284	0.316	0.360	0.382	0.378	0.362	12.7
1,1-Biphenyl		1.462	1.400	1.434	1.428	1.362	1.415	2.4
2-Chloronaphthalene		1.121	1.075	1.117	1.116	1.065	1.102	2.3
2-Nitroaniline		0.146	0.181	0.231	0.285	0.294	0.256	28.1
Dimethylphthalate		1.387	1.365	1.369	1.352	1.276	1.339	3.2
Acenaphthylene		1.660	1.610	1.657	1.645	1.561	1.619	2.5
2,6-Dinitrotoluene		0.129	0.187	0.227	0.255	0.261	0.232	24.3
3-Nitroaniline		0.127	0.185	0.221	0.254	0.254	0.228	24.3
Acenaphthene		1.094	1.058	1.074	1.073	1.023	1.063	2.2
2,4-Dinitrophenol			0.045	0.052	0.066	0.073	0.069	27.0
4-Nitrophenol			0.141	0.177	0.202	0.201	0.195	16.3
Dibenzofuran		1.735	1.637	1.677	1.649	1.563	1.635	3.7
2,4-Dinitrotoluene		0.140	0.214	0.262	0.320	0.328	0.284	29.5
Diethylphthalate		1.405	1.395	1.427	1.397	1.318	1.374	3.3
4-Chlorophenyl-phenylether		0.741	0.724	0.718	0.695	0.656	0.694	5.2
Fluorene		1.431	1.400	1.408	1.354	1.260	1.343	5.7
4-Nitroaniline		0.148	0.198	0.242	0.273	0.262	0.241	21.1
4,6-Dinitro-2-methylphenol			0.031	0.039	0.052	0.060	0.054	30.9
n-Nitrosodiphenylamine		0.534	0.541	0.549	0.538	0.523	0.536	1.5
Azobenzene		1.797	1.779	1.778	1.714	1.555	1.689	6.2
2,4,6-Tribromophenol		0.179	0.204	0.222	0.236	0.231	0.223	10.5
4-Bromophenyl-phenylether		0.211	0.210	0.212	0.207	0.210	0.212	1.4
Hexachlorobenzene		0.255	0.249	0.250	0.252	0.245	0.250	1.3
Atrazine		0.181	0.186	0.196	0.191	0.179	0.184	4.0
Pentachlorophenol			0.108	0.125	0.137	0.143	0.137	13.1
Phenanthrene		0.990	0.963	0.998	0.965	0.932	0.962	2.7
Anthracene		0.954	0.955	0.970	0.950	0.915	0.943	2.2
Carbazole		0.908	0.906	0.941	0.930	0.873	0.909	2.5
Di-n-butylphthalate		1.049	1.065	1.149	1.149	1.133	1.116	3.7
Fluoranthene		1.215	1.153	1.233	1.200	1.137	1.180	3.2
Benzidine			0.297	0.451	0.477	0.476	0.420	16.1
Pyrene		1.283	1.470	1.295	1.290	1.262	1.307	5.6
Terphenyl-d14		1.069	1.196	1.034	1.006	0.973	1.029	8.2
Butylbenzylphthalate		0.298	0.365	0.411	0.470	0.489	0.437	18.8
3,3-Dichlorobenzidine		0.349	0.358	0.413	0.428	0.419	0.403	8.5

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.: BP081324 SAS No.: BP081324 SDG No.: BP081324
Instrument ID: _____ Calibration Date(s): 8/13/2024 : _____
Calibration Time(s): 12:32 _____

LAB FILE ID:		RRF2.5 = BP021481.D			RRF005 = BP021482.D		RRF010 = BP021483.D	
		RRF020 = BP021484.D			RRF040 = BP021485.D		RRF050 = BP021486.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.271	1.247	1.291	1.268	1.224	1.256	1.8
Chrysene		1.213	1.180	1.205	1.197	1.151	1.185	1.8
Bis(2-ethylhexyl)phthalate		0.607	0.635	0.741	0.781	0.804	0.742	11.7
Di-n-octyl phthalate			0.839	1.115	1.247	1.285	1.199	16.5
Benzo(b)fluoranthene		1.106	1.152	1.158	1.155	1.119	1.149	2.4
Benzo(k)fluoranthene		1.115	1.101	1.124	1.141	1.103	1.121	1.7
Benzo(a)pyrene		0.953	0.953	1.003	1.012	0.996	0.997	3.3
Indeno(1,2,3-cd)pyrene		1.244	1.156	1.317	1.327	1.297	1.296	5.8
Dibenzo(a,h)anthracene		1.034	0.965	1.106	1.102	1.080	1.077	5.5
Benzo(g,h,i)perylene		1.052	0.955	1.096	1.102	1.074	1.080	5.9
1,2,4,5-Tetrachlorobenzene		0.574	0.543	0.592	0.595	0.578	0.586	4.0
1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.639	5.4
2,3,4,6-Tetrachlorophenol		0.250	0.278	0.302	0.328	0.317	0.307	10.7
1-Methylnaphthalene		0.742	0.735	0.725	0.697	0.673	0.703	4.4

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.: BP081924 SAS No.: BP081924 SDG NO.: BP081924

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 19 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 12:08

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	334672	7.811	1.37913e+01	10.60	890240	14.46
UPPER LIMIT	669344	8.311	2758260	11.099	1780480	14.957
LOWER LIMIT	167336	7.311	689565	10.099	445120	13.957
EPA SAMPLE NO.						
01 PB162631BL	383179	7.81	1.57527e	10.60	1.04519e	14.45
02 PB162631BS	450256	7.81	1.83143e	10.60	1.17568e	14.46
03 PB162717BS	436259	7.81	1.81155e	10.59	1.20851e	14.45
04 OU4-TS-07-080724RE	383359	7.79	1.65884e	10.58	1.09125e	14.46
05 OU4-TS-05-080724RE	380459	7.81	1.64103e	10.59	1.06643e	14.45
06 OU4-TS-18-080724RE	357349	7.81	1.50591e	10.59	1.00383e	14.46
07 OU4-TS-08-080724	372995	7.81	1.60508e	10.59	1.08475e	14.45
08 OU4-TS-08-080724MS	380912	7.81	1.54119e	10.60	961255	14.46
09 OU4-TS-08-080724MSD	341396	7.80	1.41889e	10.60	927420	14.45
10 OU4-TS-12-080724	417595	7.81	1.73877e	10.60	1.0999e+	14.45
11 OU4-TS-13-080724	368873	7.80	1.54988e	10.59	1.0179e+	14.46
12 OU4-TS-14-080724	422639	7.81	1.77995e	10.59	1.11936e	14.47
13 OU4-TS-15-080724	389378	7.80	1.62128e	10.59	1.06484e	14.45
14 OU4-TS-10-080724	410606	7.81	1.71186e	10.60	1.0802e+	14.45

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.: BP081924 SAS No.: BP081924 SDG NO.: BP081924

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 19 2024 12:00AM

Lab File ID: BP021549.D Time Analyzed: 12:08

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	380064	7.804	1.64376e+00	10.59	1.11358e+00	14.45
UPPER LIMIT	760128	8.304	3287520	11.093	2227160	14.951
LOWER LIMIT	190032	7.304	821880	10.093	556790	13.951
EPA SAMPLE NO.						
01 PB162631BL	383179	7.81	1.57527e	10.60	1.04519e	14.45
02 PB162631BS	450256	7.81	1.83143e	10.60	1.17568e	14.46
03 PB162717BS	436259	7.81	1.81155e	10.59	1.20851e	14.45
04 OU4-TS-07-080724RE	383359	7.79	1.65884e	10.58	1.09125e	14.46
05 OU4-TS-05-080724RE	380459	7.81	1.64103e	10.59	1.06643e	14.45
06 OU4-TS-18-080724RE	357349	7.81	1.50591e	10.59	1.00383e	14.46
07 OU4-TS-08-080724	372995	7.81	1.60508e	10.59	1.08475e	14.45
08 OU4-TS-08-080724MS	380912	7.81	1.54119e	10.60	961255	14.46
09 OU4-TS-08-080724MSD	341396	7.80	1.41889e	10.60	927420	14.45
10 OU4-TS-12-080724	417595	7.81	1.73877e	10.60	1.0999e+	14.45
11 OU4-TS-13-080724	368873	7.80	1.54988e	10.59	1.0179e+	14.46
12 OU4-TS-14-080724	422639	7.81	1.77995e	10.59	1.11936e	14.47
13 OU4-TS-15-080724	389378	7.80	1.62128e	10.59	1.06484e	14.45
14 OU4-TS-10-080724	410606	7.81	1.71186e	10.60	1.0802e+	14.45

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.: BP081924 SAS No.: BP081924 SDG NO.: BP081924

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 19 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 12:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.90528e+01	17.251	1.82007e+01	21.698	2.08533e+01	25.104
UPPER LIMIT	3810560	17.751	3640140	22.198	4170660	25.604
LOWER LIMIT	952640	16.751	910035	21.198	1042665	24.604
EPA SAMPLE NO.						
01 PB162631BL	2.34313	17.26	2.2921e+01	21.73	2.59315e+01	25.15
02 PB162631BS	2.49998	17.26	2.33829e+01	21.72	2.56889e+01	25.17
03 PB162717BS	2.58372	17.26	2.41779e+01	21.73	2.66194e+01	25.16
04 OU4-TS-07-080724RE	2.25252	17.26	2.05193e+01	21.73	2.33009e+01	25.19
05 OU4-TS-05-080724RE	2.2203e	17.25	1.96685e+01	21.70	2.30325e+01	25.15
06 OU4-TS-18-080724RE	2.19057	17.26	1.98732e+01	21.72	2.34065e+01	25.15
07 OU4-TS-08-080724	2.31504	17.26	2.10465e+01	21.72	2.44621e+01	25.16
08 OU4-TS-08-080724MS	2.0311e	17.27	1.81161e+01	21.73	2.26395e+01	25.17
09 OU4-TS-08-080724MSD	1.94866	17.25	1.72955e+01	21.70	2.11274e+01	25.13
10 OU4-TS-12-080724	2.23634	17.26	1.95824e+01	21.73	2.29358e+01	25.16
11 OU4-TS-13-080724	2.13904	17.26	1.87132e+01	21.73	2.17672e+01	25.16
12 OU4-TS-14-080724	2.28886	17.26	1.97716e+01	21.72	2.30703e+01	25.16
13 OU4-TS-15-080724	2.27483	17.26	2.00261e+01	21.72	2.35443e+01	25.16
14 OU4-TS-10-080724	2.20297	17.26	1.89107e+01	21.72	2.2358e+01	25.16

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.: BP081924 SAS No.: BP081924 SDG NO.: BP081924

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 19 2024 12:00AM

Lab File ID: BP021549.D Time Analyzed: 12:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	2.422e+006	17.257	2.23168e+	21.733	2.65023e+00	25.18
UPPER LIMIT	4844000	17.757	4463360	22.233	5300460	25.68
LOWER LIMIT	1211000	16.757	1115840	21.233	1325115	24.68
EPA SAMPLE NO.						
01 PB162631BL	2.34313	17.26	2.2921e+0	21.73	2.59315e+	25.15
02 PB162631BS	2.49998	17.26	2.33829e+	21.72	2.56889e+	25.17
03 PB162717BS	2.58372	17.26	2.41779e+	21.73	2.66194e+	25.16
04 OU4-TS-07-080724RE	2.25252	17.26	2.05193e+	21.73	2.33009e+	25.19
05 OU4-TS-05-080724RE	2.2203e	17.25	1.96685e+	21.70	2.30325e+	25.15
06 OU4-TS-18-080724RE	2.19057	17.26	1.98732e+	21.72	2.34065e+	25.15
07 OU4-TS-08-080724	2.31504	17.26	2.10465e+	21.72	2.44621e+	25.16
08 OU4-TS-08-080724MS	2.0311e	17.27	1.81161e+	21.73	2.26395e+	25.17
09 OU4-TS-08-080724MSD	1.94866	17.25	1.72955e+	21.70	2.11274e+	25.13
10 OU4-TS-12-080724	2.23634	17.26	1.95824e+	21.73	2.29358e+	25.16
11 OU4-TS-13-080724	2.13904	17.26	1.87132e+	21.73	2.17672e+	25.16
12 OU4-TS-14-080724	2.28886	17.26	1.97716e+	21.72	2.30703e+	25.16
13 OU4-TS-15-080724	2.27483	17.26	2.00261e+	21.72	2.35443e+	25.16
14 OU4-TS-10-080724	2.20297	17.26	1.89107e+	21.72	2.2358e+0	25.16

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB162631BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	970	ug/Kg	57				28	98	
	Benzaldehyde	1700	590	ug/Kg	35				10	133	
	Aniline	1700	940	ug/Kg	55				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1300	ug/Kg	76				66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	2100	ug/Kg	124		*		61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1900	ug/Kg	112		*		62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	2300	ug/Kg	135				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	900	ug/Kg	53				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	165	
	2,4,6-Trichlorophenol	1700	1900	ug/Kg	112		*		59	102	
	2,4,5-Trichlorophenol	1700	1800	ug/Kg	106		*		61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1800	ug/Kg	106		*		66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1400	ug/Kg	82				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	26500	ug/Kg	97				57	104	
	2,4-Dinitrophenol	3300	4000	ug/Kg	121				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP081924**

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162631BS	4-Nitrophenol	3300	3800	ug/Kg	115				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3600	ug/Kg	106				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	2300	ug/Kg	135		*		76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1500	ug/Kg	88				47	152	
	Pentachlorophenol	3300	3600	ug/Kg	109		*		67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	890	ug/Kg	27				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	950	ug/Kg	56				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1900	ug/Kg	112		*		59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162717BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	970	ug/Kg	57				28	98	
	Benzaldehyde	1700	590	ug/Kg	35				10	133	
	Aniline	1700	970	ug/Kg	57				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1300	ug/Kg	76				66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	2100	ug/Kg	124		*		61	111	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1900	ug/Kg	112		*		62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	2300	ug/Kg	135				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	900	ug/Kg	53				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1800	ug/Kg	106				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				45	165	
	2,4,6-Trichlorophenol	1700	1900	ug/Kg	112		*		59	102	
	2,4,5-Trichlorophenol	1700	1800	ug/Kg	106		*		61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1800	ug/Kg	106		*		66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1400	ug/Kg	82				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	26400	ug/Kg	97				57	104	
	2,4-Dinitrophenol	3300	4100	ug/Kg	124				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP081924**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB162717BS	4-Nitrophenol	3300	3800	ug/Kg	115				48	119	
	Dibenzofuran	1700	1600	ug/Kg	94				63	99	
	2,4-Dinitrotoluene	1700	1900	ug/Kg	112		*		60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3600	ug/Kg	106				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	2300	ug/Kg	135		*		76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				71	99	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	
	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1500	ug/Kg	88				47	152	
	Pentachlorophenol	3300	3600	ug/Kg	109		*		67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	900	ug/Kg	27				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1500	ug/Kg	88				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1800	ug/Kg	106		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1800	ug/Kg	106				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	960	ug/Kg	56				50	96	
	2,3,4,6-Tetrachlorophenol	1700	2000	ug/Kg	118		*		59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162631BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP081924

SAS No.: BP081924 SDG NO.: BP081924

Lab File ID: BP021550.D

Lab Sample ID: PB162631BL

Instrument ID: BNA_P

Date Extracted: 08/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/19/2024

Level: (low/med) LOW

Time Analyzed: 12:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162631BS	PB162631BS	BP021551.D	08/19/2024
OU4-TS-08-080724	P3518-15	BP021556.D	08/19/2024
OU4-TS-08-080724MS	P3518-15MS	BP021557.D	08/19/2024
OU4-TS-08-080724MSD	P3518-15MSD	BP021558.D	08/19/2024
OU4-TS-12-080724	P3518-23	BP021559.D	08/19/2024
OU4-TS-13-080724	P3518-25	BP021560.D	08/19/2024
OU4-TS-14-080724	P3518-27	BP021561.D	08/19/2024
OU4-TS-15-080724	P3518-29	BP021562.D	08/19/2024
OU4-TS-10-080724	P3518-19	BP021563.D	08/19/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162717BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP081924

SAS No.: BP081924 SDG NO.: BP081924

Lab File ID: BP021552.D

Lab Sample ID: PB162717BS

Instrument ID: BNA_P

Date Extracted: 08/14/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/19/2024

Level: (low/med) LOW

Time Analyzed: 13:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162717BS	PB162717BS	BP021552.D	08/19/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3518-15MS		Client Sample ID: OU4-TS-08-080724MS		DataFile: BP021557.D							
n-Nitrosodimethylamine	2300		2100	ug/Kg	91				66	124	
Pyridine	2300		1700	ug/Kg	74				45	119	
Benzaldehyde	2300		0	ug/Kg	0	*			10	86	
Aniline	2300		1700	ug/Kg	74				10	88	
Phenol	2300		2500	ug/Kg	109				67	126	
bis(2-Chloroethyl)ether	2300		2200	ug/Kg	96				54	125	
2-Chlorophenol	2300		2700	ug/Kg	117	*			79	107	
1,2-Dichlorobenzene	2300		2300	ug/Kg	100				61	105	
1,3-Dichlorobenzene	2300		2300	ug/Kg	100				62	101	
1,4-Dichlorobenzene	2300		2300	ug/Kg	100				63	104	
Benzyl Alcohol	2300		2400	ug/Kg	104				47	126	
2-Methylphenol	2300		2500	ug/Kg	109				66	122	
2,2-oxybis(1-Chloropropane)	2300		2200	ug/Kg	96				65	110	
Acetophenone	2300		2100	ug/Kg	91				75	111	
3+4-Methylphenols	2300		2500	ug/Kg	109	*			66	104	
N-Nitroso-di-n-propylamine	2300		1900	ug/Kg	83				59	119	
Hexachloroethane	2300		2300	ug/Kg	100				65	117	
Nitrobenzene	2300		2400	ug/Kg	104				70	119	
Isophorone	2300		2100	ug/Kg	91				76	122	
2-Nitrophenol	2300		3100	ug/Kg	135				54	145	
2,4-Dimethylphenol	2300		2700	ug/Kg	117				44	135	
bis(2-Chloroethoxy)methane	2300		2100	ug/Kg	91				68	112	
2,4-Dichlorophenol	2300		2800	ug/Kg	122	*			72	118	
1,2,4-Trichlorobenzene	2300		2300	ug/Kg	100				57	103	
Benzoic acid	2300		3200	ug/Kg	139	*			50	104	
Naphthalene	2300		2300	ug/Kg	100				72	110	
4-Chloroaniline	2300		1400	ug/Kg	61				10	91	
Hexachlorobutadiene	2300		2200	ug/Kg	96				66	114	
Caprolactam	2300		2400	ug/Kg	104				51	134	
4-Chloro-3-methylphenol	2300		2600	ug/Kg	113				57	132	
2-Methylnaphthalene	2300		2300	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	4600		4800	ug/Kg	104				10	175	
2,4,6-Trichlorophenol	2300		2900	ug/Kg	126	*			72	117	
2,4,5-Trichlorophenol	2300		2800	ug/Kg	122	*			72	117	
1,1-Biphenyl	2300		2200	ug/Kg	96				75	113	
2-Chloronaphthalene	2300		2400	ug/Kg	104				67	118	
2-Nitroaniline	2300		2800	ug/Kg	122				69	127	
Dimethylphthalate	2300		2400	ug/Kg	104				70	113	
Acenaphthylene	2300		2600	ug/Kg	113				79	118	
2,6-Dinitrotoluene	2300		2600	ug/Kg	113				70	125	
3-Nitroaniline	2300		2300	ug/Kg	100	*			30	99	
Acenaphthene	2300		2600	ug/Kg	113				70	121	
Total PAH	36800	0	39800	ug/Kg	108				70	121	
2,4-Dinitrophenol	4600		4900	ug/Kg	107				10	155	
4-Nitrophenol	4600		5700	ug/Kg	124				45	133	
Dibenzofuran	2300		2400	ug/Kg	104				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2300		2800	ug/Kg	122				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		5400	ug/Kg	117				55	128	
Diethylphthalate	2300		2300	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	2300		2200	ug/Kg	96				71	108	
Fluorene	2300		2300	ug/Kg	100				68	116	
4-Nitroaniline	2300		2600	ug/Kg	113				55	120	
4,6-Dinitro-2-methylphenol	2300		2800	ug/Kg	122				10	160	
N-Nitrosodiphenylamine	2300		2400	ug/Kg	104				73	118	
Azobenzene	2300		2100	ug/Kg	91				73	110	
4-Bromophenyl-phenylether	2300		2300	ug/Kg	100				65	121	
Hexachlorobenzene	2300		2300	ug/Kg	100				67	118	
Atrazine	2300		2300	ug/Kg	100				79	127	
Pentachlorophenol	4600		5400	ug/Kg	117				47	128	
Phenanthrene	2300		2500	ug/Kg	109				52	128	
Anthracene	2300		2500	ug/Kg	109				62	124	
Carbazole	2300		2400	ug/Kg	104				59	119	
Di-n-butylphthalate	2300		2400	ug/Kg	104				69	118	
Fluoranthene	2300	130	2400	ug/Kg	99				44	125	
Benzidine	4600		2400	ug/Kg	52				10	119	
Pyrene	2300	0	2600	ug/Kg	113				26	142	
Butylbenzylphthalate	2300		2600	ug/Kg	113				64	126	
3,3-Dichlorobenzidine	2300		2500	ug/Kg	109				33	116	
Benzo(a)anthracene	2300		2600	ug/Kg	113				71	114	
Chrysene	2300		2500	ug/Kg	109				57	121	
bis(2-Ethylhexyl)phthalate	2300		2600	ug/Kg	113				42	169	
Di-n-octyl phthalate	2300		2600	ug/Kg	113				23	175	
Benzo(b)fluoranthene	2300	0	2400	ug/Kg	104				67	121	
Benzo(k)fluoranthene	2300		2400	ug/Kg	104				57	134	
Benzo(a)pyrene	2300		2600	ug/Kg	113				70	142	
Indeno(1,2,3-cd)pyrene	2300		2600	ug/Kg	113				40	129	
Dibenz(a,h)anthracene	2300		2500	ug/Kg	109				43	123	
Benzo(g,h,i)perylene	2300		2400	ug/Kg	104				24	125	
1,2,4,5-Tetrachlorobenzene	2300		2200	ug/Kg	96				69	124	
1,4-Dioxane	2300		1700	ug/Kg	74				46	112	
2,3,4,6-Tetrachlorophenol	2300		3000	ug/Kg	130	*			69	112	
1-Methylnaphthalene	2300		2100	ug/Kg	91				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3518-15MSD		Client Sample ID: OU4-TS-08-080724MSD		DataFile: BP021558.D							
n-Nitrosodimethylamine	2300		2300	ug/Kg	100		9		66	124	20
Pyridine	2300		1900	ug/Kg	83		11		45	119	20
Benzaldehyde	2300		0	ug/Kg	0	*			10	86	20
Aniline	2300		1900	ug/Kg	83		11		10	88	20
Phenol	2300		2700	ug/Kg	117		7		67	126	20
bis(2-Chloroethyl)ether	2300		2400	ug/Kg	104		8		54	125	20
2-Chlorophenol	2300		2900	ug/Kg	126	*	7		79	107	20
1,2-Dichlorobenzene	2300		2500	ug/Kg	109	*	9		61	105	20
1,3-Dichlorobenzene	2300		2500	ug/Kg	109	*	9		62	101	20
1,4-Dichlorobenzene	2300		2500	ug/Kg	109	*	9		63	104	20
Benzyl Alcohol	2300		2600	ug/Kg	113		8		47	126	20
2-Methylphenol	2300		2700	ug/Kg	117		7		66	122	20
2,2-oxybis(1-Chloropropane)	2300		2400	ug/Kg	104		8		65	110	20
Acetophenone	2300		2200	ug/Kg	96		5		75	111	20
3+4-Methylphenols	2300		2800	ug/Kg	122	*	11		66	104	20
N-Nitroso-di-n-propylamine	2300		2100	ug/Kg	91		9		59	119	20
Hexachloroethane	2300		2500	ug/Kg	109		9		65	117	20
Nitrobenzene	2300		2500	ug/Kg	109		5		70	119	20
Isophorone	2300		2300	ug/Kg	100		9		76	122	20
2-Nitrophenol	2300		3300	ug/Kg	143		6		54	145	20
2,4-Dimethylphenol	2300		2900	ug/Kg	126		7		44	135	20
bis(2-Chloroethoxy)methane	2300		2300	ug/Kg	100		9		68	112	20
2,4-Dichlorophenol	2300		3100	ug/Kg	135	*	10		72	118	20
1,2,4-Trichlorobenzene	2300		2500	ug/Kg	109	*	9		57	103	20
Benzoic acid	2300		3400	ug/Kg	148	*	6		50	104	20
Naphthalene	2300		2500	ug/Kg	109		9		72	110	20
4-Chloroaniline	2300		1500	ug/Kg	65		6		10	91	20
Hexachlorobutadiene	2300		2400	ug/Kg	104		8		66	114	20
Caprolactam	2300		2700	ug/Kg	117		12		51	134	20
4-Chloro-3-methylphenol	2300		2900	ug/Kg	126		11		57	132	20
2-Methylnaphthalene	2300		2500	ug/Kg	109		9		59	123	20
Hexachlorocyclopentadiene	4600		5600	ug/Kg	122		16		10	175	20
2,4,6-Trichlorophenol	2300		3200	ug/Kg	139	*	10		72	117	20
2,4,5-Trichlorophenol	2300		3000	ug/Kg	130	*	6		72	117	20
1,1-Biphenyl	2300		2300	ug/Kg	100		4		75	113	20
2-Chloronaphthalene	2300		2500	ug/Kg	109		5		67	118	20
2-Nitroaniline	2300		3000	ug/Kg	130	*	6		69	127	20
Dimethylphthalate	2300		2600	ug/Kg	113		8		70	113	20
Acenaphthylene	2300		2800	ug/Kg	122	*	8		79	118	20
2,6-Dinitrotoluene	2300		2800	ug/Kg	122		8		70	125	20
3-Nitroaniline	2300		2500	ug/Kg	109	*	9		30	99	20
Acenaphthene	2300		2700	ug/Kg	117		3		70	121	20
Total PAH	36800	0	43200	ug/Kg	117		8		70	121	20
2,4-Dinitrophenol	4600		5200	ug/Kg	113		5		10	155	20
4-Nitrophenol	4600		6100	ug/Kg	133		7		45	133	20
Dibenzofuran	2300		2600	ug/Kg	113	*	8		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2300		3000	ug/Kg	130	*	6		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		5800	ug/Kg	126		7		55	128	20
Diethylphthalate	2300		2500	ug/Kg	109		9		70	112	20
4-Chlorophenyl-phenylether	2300		2400	ug/Kg	104		8		71	108	20
Fluorene	2300		2400	ug/Kg	104		4		68	116	20
4-Nitroaniline	2300		2800	ug/Kg	122	*	8		55	120	20
4,6-Dinitro-2-methylphenol	2300		3100	ug/Kg	135		10		10	160	20
N-Nitrosodiphenylamine	2300		2600	ug/Kg	113		8		73	118	20
Azobenzene	2300		2300	ug/Kg	100		9		73	110	20
4-Bromophenyl-phenylether	2300		2500	ug/Kg	109		9		65	121	20
Hexachlorobenzene	2300		2500	ug/Kg	109		9		67	118	20
Atrazine	2300		2600	ug/Kg	113		12		79	127	20
Pentachlorophenol	4600		5900	ug/Kg	128		9		47	128	20
Phenanthrene	2300		2700	ug/Kg	117		7		52	128	20
Anthracene	2300		2700	ug/Kg	117		7		62	124	20
Carbazole	2300		2600	ug/Kg	113		8		59	119	20
Di-n-butylphthalate	2300		2600	ug/Kg	113		8		69	118	20
Fluoranthene	2300	130	2700	ug/Kg	112		12		44	125	20
Benzidine	4600		2800	ug/Kg	61		16		10	119	20
Pyrene	2300	0	2800	ug/Kg	122		8		26	142	20
Butylbenzylphthalate	2300		2900	ug/Kg	126		11		64	126	20
3,3-Dichlorobenzidine	2300		2700	ug/Kg	117	*	7		33	116	20
Benzo(a)anthracene	2300		2800	ug/Kg	122	*	8		71	114	20
Chrysene	2300		2800	ug/Kg	122	*	11		57	121	20
bis(2-Ethylhexyl)phthalate	2300		2900	ug/Kg	126		11		42	169	20
Di-n-octyl phthalate	2300		2800	ug/Kg	122		8		23	175	20
Benzo(b)fluoranthene	2300	0	2600	ug/Kg	113		8		67	121	20
Benzo(k)fluoranthene	2300		2600	ug/Kg	113		8		57	134	20
Benzo(a)pyrene	2300		2800	ug/Kg	122		8		70	142	20
Indeno(1,2,3-cd)pyrene	2300		2900	ug/Kg	126		11		40	129	20
Dibenz(a,h)anthracene	2300		2700	ug/Kg	117		7		43	123	20
Benzo(g,h,i)perylene	2300		2700	ug/Kg	117		12		24	125	20
1,2,4,5-Tetrachlorobenzene	2300		2300	ug/Kg	100		4		69	124	20
1,4-Dioxane	2300		1800	ug/Kg	78		5		46	112	20
2,3,4,6-Tetrachlorophenol	2300		3200	ug/Kg	139	*	7		69	112	20
1-Methylnaphthalene	2300		2400	ug/Kg	104		13		70	130	20

Surrogate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3519-05RE	OU4-TS-18-080724BP021555.D		2-Fluorophenol	150	80.62	54		18	112
			Phenol-d6	150	79.71	53		15	107
			Nitrobenzene-d5	100	57.11	57		18	107
			2-Fluorobiphenyl	100	41.55	42		20	109
			2,4,6-Tribromophenol	150	88.51	59		10	116
			Terphenyl-d14	100	40.89	41		10	105

Surrogate Summary

SW-846

SDG No.: **BP081924**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3518-09RE	OU4-TS-05-080724BP021554.D		2-Fluorophenol	150	85.60	57		18	112
			Phenol-d6	150	86.27	58		15	107
			Nitrobenzene-d5	100	58.11	58		18	107
			2-Fluorobiphenyl	100	38.81	39		20	109
			2,4,6-Tribromophenol	150	88.71	59		10	116
			Terphenyl-d14	100	40.59	41		10	105
P3518-13RE	OU4-TS-07-080724BP021553.D		2-Fluorophenol	150	70.80	47		18	112
			Phenol-d6	150	72.23	48		15	107
			Nitrobenzene-d5	100	47.81	48		18	107
			2-Fluorobiphenyl	100	31.73	32		20	109
			2,4,6-Tribromophenol	150	73.84	49		10	116
			Terphenyl-d14	100	33.78	34		10	105
P3518-15	OU4-TS-08-080724BP021556.D		2-Fluorophenol	150	65.45	44		18	112
			Phenol-d6	150	66.37	44		15	107
			Nitrobenzene-d5	100	43.92	44		18	107
			2-Fluorobiphenyl	100	30.07	30		20	109
			2,4,6-Tribromophenol	150	72.00	48		10	116
			Terphenyl-d14	100	33.71	34		10	105
P3518-15MS	OU4-TS-08-080724BP021557.D		2-Fluorophenol	150	89.78	60		18	112
			Phenol-d6	150	87.25	58		15	107
			Nitrobenzene-d5	100	62.78	63		18	107
			2-Fluorobiphenyl	100	43.55	44		20	109
			2,4,6-Tribromophenol	150	93.59	62		10	116
			Terphenyl-d14	100	41.25	41		10	105
P3518-15MSD	OU4-TS-08-080724BP021558.D		2-Fluorophenol	150	96.97	65		18	112
			Phenol-d6	150	96.36	64		15	107
			Nitrobenzene-d5	100	67.25	67		18	107
			2-Fluorobiphenyl	100	46.45	46		20	109
			2,4,6-Tribromophenol	150	102.28	68		10	116
			Terphenyl-d14	100	45.08	45		10	105
P3518-19	OU4-TS-10-080724BP021563.D		2-Fluorophenol	150	89.66	60		18	112
			Phenol-d6	150	87.68	58		15	107
			Nitrobenzene-d5	100	63.35	63		18	107
			2-Fluorobiphenyl	100	43.87	44		20	109
			2,4,6-Tribromophenol	150	99.09	66		10	116
			Terphenyl-d14	100	47.12	47		10	105
P3518-23	OU4-TS-12-080724BP021559.D		2-Fluorophenol	150	71.89	48		18	112
			Phenol-d6	150	71.36	48		15	107
			Nitrobenzene-d5	100	51.56	52		18	107
			2-Fluorobiphenyl	100	37.87	38		20	109
			2,4,6-Tribromophenol	150	81.80	55		10	116
			Terphenyl-d14	100	40.12	40		10	105
P3518-25	OU4-TS-13-080724BP021560.D		2-Fluorophenol	150	80.19	53		18	112
			Phenol-d6	150	80.32	54		15	107
			Nitrobenzene-d5	100	58.02	58		18	107
			2-Fluorobiphenyl	100	42.41	42		20	109
			2,4,6-Tribromophenol	150	93.21	62		10	116
			Terphenyl-d14	100	44.27	44		10	105
P3518-27	OU4-TS-14-080724BP021561.D		2-Fluorophenol	150	95.04	63		18	112

Surrogate Summary

SW-846

SDG No.: **BP081924**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3518-27	OU4-TS-14-080724BP021561.D		Phenol-d6	150	92.94	62		15	107
			Nitrobenzene-d5	100	67.37	67		18	107
			2-Fluorobiphenyl	100	46.66	47		20	109
			2,4,6-Tribromophenol	150	104.75	70		10	116
			Terphenyl-d14	100	46.58	47		10	105
P3518-29	OU4-TS-15-080724BP021562.D		2-Fluorophenol	150	82.76	55		18	112
			Phenol-d6	150	80.90	54		15	107
			Nitrobenzene-d5	100	59.40	59		18	107
			2-Fluorobiphenyl	100	39.20	39		20	109
			2,4,6-Tribromophenol	150	94.57	63		10	116
PB162631BL	PB162631BL	BP021550.D	Terphenyl-d14	100	40.25	40		10	105
			2-Fluorophenol	150	132.37	88		18	112
			Phenol-d6	150	123.15	82		15	107
			Nitrobenzene-d5	100	90.48	90		18	107
			2-Fluorobiphenyl	100	78.50	78		20	109
PB162631BS	PB162631BS	BP021551.D	2,4,6-Tribromophenol	150	152.25	101		10	116
			Terphenyl-d14	100	81.27	81		10	105
			2-Fluorophenol	150	139.86	93		18	112
			Phenol-d6	150	130.79	87		15	107
			Nitrobenzene-d5	100	95.81	96		18	107
			2-Fluorobiphenyl	100	81.87	82		20	109
			2,4,6-Tribromophenol	150	152.94	102		10	116
			Terphenyl-d14	100	85.57	86		10	105

Surrogate Summary

SW-846

SDG No.: BP081924

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162717BS	PB162717BS	BP021552.D	2-Fluorophenol	150	139.66	93		18	112
			Phenol-d6	150	130.56	87		15	107
			Nitrobenzene-d5	100	95.05	95		18	107
			2-Fluorobiphenyl	100	80.02	80		20	109
			2,4,6-Tribromophenol	150	152.77	102		10	116
			Terphenyl-d14	100	87.77	88		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP081924

Lab Code: CHEM

SAS No.: BP081924 SDG NO.: BP081924

Lab File ID: BP021548.D

DFTPP Injection Date: 08/19/2024

Instrument ID: BNA_P

DFTPP Injection Time: 10:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	45.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	13.1
442	Greater than 50% of mass 198	87.7
443	15.0 - 24.0% of mass 442	17 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP021549.D	08/19/2024	11:25
PB162631BL	PB162631BL	BP021550.D	08/19/2024	12:08
PB162631BS	PB162631BS	BP021551.D	08/19/2024	12:50
PB162717BS	PB162717BS	BP021552.D	08/19/2024	13:32
OU4-TS-07-080724RE	P3518-13RE	BP021553.D	08/19/2024	14:33
OU4-TS-05-080724RE	P3518-09RE	BP021554.D	08/19/2024	15:15
OU4-TS-18-080724RE	P3519-05RE	BP021555.D	08/19/2024	15:58
OU4-TS-08-080724	P3518-15	BP021556.D	08/19/2024	16:43
OU4-TS-08-080724MS	P3518-15MS	BP021557.D	08/19/2024	17:27
OU4-TS-08-080724MSD	P3518-15MSD	BP021558.D	08/19/2024	18:10
OU4-TS-12-080724	P3518-23	BP021559.D	08/19/2024	18:54
OU4-TS-13-080724	P3518-25	BP021560.D	08/19/2024	19:37
OU4-TS-14-080724	P3518-27	BP021561.D	08/19/2024	20:20
OU4-TS-15-080724	P3518-29	BP021562.D	08/19/2024	21:03
OU4-TS-10-080724	P3518-19	BP021563.D	08/19/2024	21:47
SSTDCCC040EC	SSTDCCC040	BP021564.D	08/19/2024	22:30