

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP081624 SAS No.: BP081624 SDG No.: BP081624

Instrument ID: BNA_P Calibration Date/Time: 8/16/2024 1:09:35

Lab File ID: BP021532.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	0.500		-6.716	
Pyridine	1.783	1.552		-12.956	
2-Fluorophenol	1.347	1.354		0.52	
Benzaldehyde	1.258	1.081		-14.07	
Aniline	1.964	1.856		-5.499	
Phenol-d6	1.965	2.010		2.29	
Phenol	2.035	2.037		0.098	20.0
bis(2-Chloroethyl) ether	1.722	1.621		-5.865	
2-Chlorophenol	1.245	1.329		6.747	
1,2-Dichlorobenzene	1.439	1.416		-1.598	
1,3-Dichlorobenzene	1.479	1.453		-1.758	
1,4-Dichlorobenzene	1.493	1.466		-1.808	20.0
Benzyl Alcohol	1.410	1.433		1.631	
2-Methylphenol	1.286	1.346		4.666	
2,2-oxybis(1-Chloropropane)	1.585	1.496		-5.615	
Acetophenone	0.614	0.578		-5.863	
3+4-Methylphenols	1.734	1.895		9.285	
n-Nitroso-di-n-propylamine	1.357	1.232	0.050	-9.211	
Nitrobenzene-d5	0.387	0.421		8.786	
Hexachloroethane	0.599	0.610		1.836	
Nitrobenzene	0.421	0.430		2.138	
Isophorone	0.915	0.827		-9.617	
2-Nitrophenol	0.086	0.161		87.209	20.0
2,4-Dimethylphenol	0.226	0.228		0.885	
bis(2-Chloroethoxy) methane	0.559	0.518		-7.335	
2,4-Dichlorophenol	0.267	0.298		11.61	20.0
1,2,4-Trichlorobenzene	0.342	0.331		-3.216	
Benzoic acid	0.137	0.260		89.781	
Naphthalene	1.045	1.013		-3.062	
4-Chloroaniline	0.392	0.386		-1.531	
Hexachlorobutadiene	0.215	0.208		-3.256	20.0
Caprolactam	0.111	0.118		6.306	
4-Chloro-3-methylphenol	0.370	0.400		8.108	20.0
2-Methylnaphthalene	0.713	0.696		-2.384	
Hexachlorocyclopentadiene	0.186	0.216	0.050	16.129	
2,4,6-Trichlorophenol	0.326	0.387		18.712	20.0
2-Fluorobiphenyl	1.310	1.248		-4.733	
2,4,5-Trichlorophenol	0.362	0.424		17.127	
1,1-Biphenyl	1.415	1.395		-1.413	

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Lab File ID: BP021532.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	1.103		0.091	
2-Nitroaniline	0.256	0.347		35.547	
Dimethylphthalate	1.339	1.311		-2.091	
Acenaphthylene	1.619	1.608		-0.679	
2,6-Dinitrotoluene	0.232	0.298		28.448	
3-Nitroaniline	0.228	0.292		28.07	
Acenaphthene	1.063	1.079		1.505	20.0
2,4-Dinitrophenol	0.069	0.119	0.050	72.464	
4-Nitrophenol	0.195	0.235	0.050	20.513	
Dibenzofuran	1.635	1.588		-2.875	
2,4-Dinitrotoluene	0.284	0.389		36.972	
Diethylphthalate	1.374	1.283		-6.623	
4-Chlorophenyl-phenylether	0.694	0.641		-7.637	
Fluorene	1.343	1.249		-6.999	
4-Nitroaniline	0.241	0.272		12.863	
4,6-Dinitro-2-methylphenol	0.054	0.091		68.519	
n-Nitrosodiphenylamine	0.536	0.572		6.716	20.0
Azobenzene	1.689	1.431		-15.275	
2,4,6-Tribromophenol	0.223	0.240		7.623	
4-Bromophenyl-phenylether	0.212	0.223		5.189	
Hexachlorobenzene	0.250	0.258		3.2	
Atrazine	0.184	0.157		-14.674	
Pentachlorophenol	0.137	0.164		19.708	20.0
Phenanthrene	0.962	0.953		-0.936	
Anthracene	0.943	0.934		-0.954	
Carbazole	0.909	0.852		-6.271	
Di-n-butylphthalate	1.116	1.012		-9.319	
Fluoranthene	1.180	0.987		-16.356	20.0
Benzidine	0.420	0.448		6.667	
Pyrene	1.307	1.642		25.631	
Terphenyl-d14	1.029	1.201		16.715	
Butylbenzylphthalate	0.437	0.561		28.375	
3,3-Dichlorobenzidine	0.403	0.435		7.94	
Benzo(a)anthracene	1.256	1.260		0.318	
Chrysene	1.185	1.180		-0.422	
Bis(2-ethylhexyl)phthalate	0.742	0.787		6.065	
Di-n-octyl phthalate	1.199	1.293		7.84	20.0
Benzo(b)fluoranthene	1.149	1.085		-5.57	
Benzo(k)fluoranthene	1.121	1.060		-5.442	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP081624 SAS No.: BP081624 SDG No.: BP081624

Instrument ID: BNA_P Calibration Date/Time: 8/16/2024 1:09:35

Lab File ID: BP021532.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	1.408		8.642	
Dibenzo(a,h)anthracene	1.077	1.156		7.335	
Benzo(g,h,i)perylene	1.080	1.182		9.444	
1,2,4,5-Tetrachlorobenzene	0.586	0.584		-0.341	
1,4-Dioxane	0.639	0.552		-13.615	20.0
2,3,4,6-Tetrachlorophenol	0.307	0.347		13.029	
1-Methylnaphthalene	0.703	0.688		-2.134	

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.: BP081624 SAS No.: BP081624 SDG No.: BP081624
Instrument ID: BNA_P Calibration Date/Time: 8/16/2024 1: 20:16
Lab File ID: BP021547.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	0.464		-13.433	50.0
Pyridine	1.783	1.431		-19.742	50.0
2-Fluorophenol	1.347	1.293		-4.009	50.0
Benzaldehyde	1.258	1.211		-3.736	50.0
Aniline	1.964	1.764		-10.183	50.0
Phenol-d6	1.965	1.940		-1.272	50.0
Phenol	2.035	1.977		-2.85	50.0
bis(2-Chloroethyl) ether	1.722	1.521		-11.672	50.0
2-Chlorophenol	1.245	1.290		3.614	50.0
1,2-Dichlorobenzene	1.439	1.399		-2.78	50.0
1,3-Dichlorobenzene	1.479	1.427		-3.516	50.0
1,4-Dichlorobenzene	1.493	1.446		-3.148	50.0
Benzyl Alcohol	1.410	1.374		-2.553	50.0
2-Methylphenol	1.286	1.299		1.011	50.0
2,2-oxybis(1-Chloropropane)	1.585	1.391		-12.24	50.0
Acetophenone	0.614	0.557		-9.283	50.0
3+4-Methylphenols	1.734	1.841		6.171	50.0
n-Nitroso-di-n-propylamine	1.357	1.123	0.050	-17.244	50.0
Nitrobenzene-d5	0.387	0.412		6.46	50.0
Hexachloroethane	0.599	0.550		-8.18	50.0
Nitrobenzene	0.421	0.415		-1.425	50.0
Isophorone	0.915	0.790		-13.661	50.0
2-Nitrophenol	0.086	0.158		83.721	50.0
2,4-Dimethylphenol	0.226	0.225		-0.442	50.0
bis(2-Chloroethoxy) methane	0.559	0.493		-11.807	50.0
2,4-Dichlorophenol	0.267	0.303		13.483	50.0
1,2,4-Trichlorobenzene	0.342	0.338		-1.17	50.0
Benzoic acid	0.137	0.271		97.81	50.0
Naphthalene	1.045	1.014		-2.967	50.0
4-Chloroaniline	0.392	0.385		-1.786	50.0
Hexachlorobutadiene	0.215	0.210		-2.326	50.0
Caprolactam	0.111	0.124		11.712	50.0
4-Chloro-3-methylphenol	0.370	0.405		9.459	50.0
2-Methylnaphthalene	0.713	0.697		-2.244	50.0
Hexachlorocyclopentadiene	0.186	0.073	0.050	-60.753	50.0
2,4,6-Trichlorophenol	0.326	0.380		16.564	50.0
2-Fluorobiphenyl	1.310	1.208		-7.786	50.0
2,4,5-Trichlorophenol	0.362	0.427		17.956	50.0
1,1-Biphenyl	1.415	1.364		-3.604	50.0

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EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.102	1.073		-2.632	50.0
2-Nitroaniline	0.256	0.345		34.766	50.0
Dimethylphthalate	1.339	1.291		-3.585	50.0
Acenaphthylene	1.619	1.580		-2.409	50.0
2,6-Dinitrotoluene	0.232	0.302		30.172	50.0
3-Nitroaniline	0.228	0.307		34.649	50.0
Acenaphthene	1.063	1.028		-3.293	50.0
2,4-Dinitrophenol	0.069	0.058	0.050	-15.942	50.0
4-Nitrophenol	0.195	0.252	0.050	29.231	50.0
Dibenzofuran	1.635	1.566		-4.22	50.0
2,4-Dinitrotoluene	0.284	0.402		41.549	50.0
Diethylphthalate	1.374	1.314		-4.367	50.0
4-Chlorophenyl-phenylether	0.694	0.632		-8.934	50.0
Fluorene	1.343	1.212		-9.754	50.0
4-Nitroaniline	0.241	0.300		24.481	50.0
4,6-Dinitro-2-methylphenol	0.054	0.052		-3.704	50.0
n-Nitrosodiphenylamine	0.536	0.554		3.358	50.0
Azobenzene	1.689	1.439		-14.802	50.0
2,4,6-Tribromophenol	0.223	0.242		8.52	50.0
4-Bromophenyl-phenylether	0.212	0.220		3.774	50.0
Hexachlorobenzene	0.250	0.251		0.4	50.0
Atrazine	0.184	0.160		-13.043	50.0
Pentachlorophenol	0.137	0.157		14.599	50.0
Phenanthrene	0.962	0.922		-4.158	50.0
Anthracene	0.943	0.917		-2.757	50.0
Carbazole	0.909	0.862		-5.171	50.0
Di-n-butylphthalate	1.116	1.126		0.896	50.0
Fluoranthene	1.180	0.933		-20.932	50.0
Benzidine	0.420	0.446		6.19	50.0
Pyrene	1.307	1.551		18.669	50.0
Terphenyl-d14	1.029	1.191		15.743	50.0
Butylbenzylphthalate	0.437	0.634		45.08	50.0
3,3-Dichlorobenzidine	0.403	0.471		16.873	50.0
Benzo(a)anthracene	1.256	1.257		0.08	50.0
Chrysene	1.185	1.182		-0.253	50.0
Bis(2-ethylhexyl)phthalate	0.742	0.868		16.981	50.0
Di-n-octyl phthalate	1.199	1.317		9.842	50.0
Benzo(b)fluoranthene	1.149	1.114		-3.046	50.0
Benzo(k)fluoranthene	1.121	1.062		-5.263	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.997	0.986		-1.103	50.0
Indeno(1,2,3-cd)pyrene	1.296	1.313		1.312	50.0
Dibenzo(a,h)anthracene	1.077	1.079		0.186	50.0
Benzo(g,h,i)perylene	1.080	1.116		3.333	50.0
1,2,4,5-Tetrachlorobenzene	0.586	0.579		-1.195	50.0
1,4-Dioxane	0.639	0.490		-23.318	50.0
2,3,4,6-Tetrachlorophenol	0.307	0.351		14.332	50.0
1-Methylnaphthalene	0.703	0.685		-2.56	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162487BL	SDG No.:	BP081624
Lab Sample ID:	PB162487BL	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
BP021533.D	1	8/5/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162487

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

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162487BL	SDG No.:	BP081624
Lab Sample ID:	PB162487BL	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
BP021533.D	1	8/5/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162487

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

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162487BL	SDG No.:	BP081624
Lab Sample ID:	PB162487BL	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
BP021533.D	1	8/5/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128.963		18-112		86	SPK: -150
13127-88-3	Phenol-d6	119.89		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	91.134		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	80.195		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	8/5/2024 12:00:00 AM
Project:		Date Received:	8/5/2024 12:00:00 AM
Client Sample ID:	PB162487BL	SDG No.:	BP081624
Lab Sample ID:	PB162487BL	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
BP021533.D	1	8/5/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162487

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.009		10-116		94	SPK: -150
1718-51-0	Terphenyl-d14	91.855		10-105		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	401861	7.816				
1146-65-2	Naphthalene-d8	1614879	10.604				
15067-26-2	Acenaphthene-d10	1070988	14.457				
1517-22-2	Phenanthrene-d10	2204946	17.263				
1719-03-5	Chrysene-d12	1731591	21.716				
1520-96-3	Perylene-d12	2054243	25.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	76.6	J			3.04	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			4.952	

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-01-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021534.D	1	8/10/2024 12:00:00 AM	8/16/2024 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	56.5	U	56.5	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-01-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021534.D	1	8/10/2024 12:00:00 AM	8/16/2024 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	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-01-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021534.D	1	8/10/2024 12:00:00 AM	8/16/2024 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	120	J	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	120	J	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	240	ug/Kg
218-01-9	Chrysene	110	U	110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	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	60.473		18-112		40	SPK: -150
13127-88-3	Phenol-d6	58.641		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	43.82		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	31.319		20-109		31	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-01-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.8
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021534.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	58.976		10-116		39	SPK: -150
1718-51-0	Terphenyl-d14	28.763		10-105		29	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	453420	7.822				
1146-65-2	Naphthalene-d8	1930500	10.604				
15067-26-2	Acenaphthene-d10	1213530	14.469				
1517-22-2	Phenanthrene-d10	2352082	17.269				
1719-03-5	Chrysene-d12	1990799	21.721				
1520-96-3	Perylene-d12	2355058	25.139				

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-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021535.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	U	130	390	480	ug/Kg
110-86-1	Pyridine	120	U	120	190	250	ug/Kg
100-52-7	Benzaldehyde	260	U	260	390	480	ug/Kg
62-53-3	Aniline	140	U	140	190	250	ug/Kg
108-95-2	Phenol	120	U	120	190	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	190	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	190	250	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	250	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	190	250	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	190	250	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	390	480	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	190	250	ug/Kg
98-86-2	Acetophenone	130	U	130	190	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.6	U	58.6	120	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	190	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	190	250	ug/Kg
78-59-1	Isophorone	120	U	120	190	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	190	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	190	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	250	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	190	250	ug/Kg
65-85-0	Benzoic acid	340	U	340	390	480	ug/Kg
91-20-3	Naphthalene	120	U	120	190	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	190	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	250	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-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021535.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	130	U	130	390	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	190	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	190	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	390	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	190	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	190	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	190	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	190	250	ug/Kg
208-96-8	Acenaphthylene	130	U	130	190	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	190	250	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	250	ug/Kg
83-32-9	Acenaphthene	120	U	120	190	250	ug/Kg
Total PAH	Total PAH	1940	U	1940	190	4000	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	390	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	390	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	190	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	190	250	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	190	500	ug/Kg
84-66-2	Diethylphthalate	120	U	120	190	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	190	250	ug/Kg
86-73-7	Fluorene	120	U	120	190	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	190	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	390	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	190	250	ug/Kg
103-33-3	Azobenzene	120	U	120	190	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	250	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	250	ug/Kg
1912-24-9	Atrazine	130	U	130	190	250	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-02-080724RE		SDG No.:	BP081624	
Lab Sample ID:	P3518-03RE		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	31.4	
Sample Wt/Vol:	30.09	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:	uL		Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021535.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	390	480	ug/Kg
85-01-8	Phenanthrene	120	U	120	190	250	ug/Kg
120-12-7	Anthracene	120	U	120	190	250	ug/Kg
86-74-8	Carbazole	120	U	120	190	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	190	250	ug/Kg
206-44-0	Fluoranthene	120	U	120	190	250	ug/Kg
92-87-5	Benzidine	240	U	240	390	480	ug/Kg
129-00-0	Pyrene	120	U	120	190	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	390	480	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	190	250	ug/Kg
218-01-9	Chrysene	120	U	120	190	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	390	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	190	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	190	250	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	190	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	190	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	190	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	190	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	190	250	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	250	250	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.124		18-112		39	SPK: -150
13127-88-3	Phenol-d6	58.909		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	40.519		18-107		41	SPK: -100
321-60-8	2-Fluorobiphenyl	28.783		20-109		29	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-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021535.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	59.398		10-116		40	SPK: -150
1718-51-0	Terphenyl-d14	34.057		10-105		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	468282	7.816				
1146-65-2	Naphthalene-d8	2068123	10.604				
15067-26-2	Acenaphthene-d10	1413971	14.457				
1517-22-2	Phenanthrene-d10	2877591	17.263				
1719-03-5	Chrysene-d12	1664819	21.71				
1520-96-3	Perylene-d12	1937844	25.133				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-19RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021536.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-19RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021536.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-19RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021536.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.1	U	82.1	290	350	ug/Kg
85-01-8	Phenanthrene	89.2	U	89.2	140	180	ug/Kg
120-12-7	Anthracene	89.6	U	89.6	140	180	ug/Kg
86-74-8	Carbazole	85.2	U	85.2	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.5	U	89.5	140	180	ug/Kg
206-44-0	Fluoranthene	86.7	U	86.7	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.1	U	88.1	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	85.7	U	85.7	140	180	ug/Kg
218-01-9	Chrysene	84.4	U	84.4	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96.6	U	96.6	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.1	U	86.1	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	87.7	U	87.7	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	98.7	U	98.7	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82.9	U	82.9	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.2	U	86.2	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85	U	85	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.2	U	92.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.3	U	79.3	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.3	U	88.3	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	51.5		18-112		34	SPK: -150
13127-88-3	Phenol-d6	50.033		15-107		33	SPK: -150
4165-60-0	Nitrobenzene-d5	38.655		18-107		39	SPK: -100
321-60-8	2-Fluorobiphenyl	37.384		20-109		37	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-02-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-19RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021536.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	51.588		10-116		34	SPK: -150
1718-51-0	Terphenyl-d14	35.603		10-105		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	459114	7.816				
1146-65-2	Naphthalene-d8	1802891	10.61				
15067-26-2	Acenaphthene-d10	991466	14.469				
1517-22-2	Phenanthrene-d10	1799728	17.257				
1719-03-5	Chrysene-d12	1804989	21.716				
1520-96-3	Perylene-d12	2158279	25.133				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-25RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021537.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-25RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021537.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-25RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021537.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	83.2	U	83.2	290	360	ug/Kg
85-01-8	Phenanthrene	90.4	U	90.4	140	180	ug/Kg
120-12-7	Anthracene	90.8	U	90.8	140	180	ug/Kg
86-74-8	Carbazole	86.4	U	86.4	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.7	U	90.7	140	180	ug/Kg
206-44-0	Fluoranthene	87.9	U	87.9	140	180	ug/Kg
92-87-5	Benzidine	180	U	180	290	360	ug/Kg
129-00-0	Pyrene	89.3	U	89.3	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	360	ug/Kg
56-55-3	Benzo(a)anthracene	86.9	U	86.9	140	180	ug/Kg
218-01-9	Chrysene	85.6	U	85.6	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.9	U	97.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	87.3	U	87.3	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.9	U	88.9	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.1	U	84.1	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87.4	U	87.4	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	86.2	U	86.2	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	93.4	U	93.4	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80.4	U	80.4	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.5	U	89.5	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	63.492		18-112		42	SPK: -150
13127-88-3	Phenol-d6	64.096		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	43.197		18-107		43	SPK: -100
321-60-8	2-Fluorobiphenyl	33.536		20-109		34	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-05-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-25RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021537.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	66.852		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	47.51		10-105		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	596087	7.816				
1146-65-2	Naphthalene-d8	2532026	10.599				
15067-26-2	Acenaphthene-d10	1642035	14.457				
1517-22-2	Phenanthrene-d10	3264003	17.251				
1719-03-5	Chrysene-d12	1926556	21.71				
1520-96-3	Perylene-d12	2197102	25.133				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-27RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021538.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-27RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021538.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-27RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021538.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.8	U	82.8	290	350	ug/Kg
85-01-8	Phenanthrene	89.9	U	89.9	140	180	ug/Kg
120-12-7	Anthracene	90.4	U	90.4	140	180	ug/Kg
86-74-8	Carbazole	86	U	86	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	90.3	U	90.3	140	180	ug/Kg
206-44-0	Fluoranthene	87.5	U	87.5	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.9	U	88.9	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.4	U	86.4	140	180	ug/Kg
218-01-9	Chrysene	85.1	U	85.1	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.4	U	97.4	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.8	U	86.8	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.4	U	88.4	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.6	U	99.6	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.6	U	83.6	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87	U	87	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.8	U	85.8	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.9	U	92.9	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	80	U	80	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	89.1	U	89.1	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.987		18-112		51	SPK: -150
13127-88-3	Phenol-d6	78.071		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	50.726		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	38.672		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-06-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-27RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021538.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	74.96		10-116		50	SPK: -150
1718-51-0	Terphenyl-d14	44.603		10-105		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	540136	7.816				
1146-65-2	Naphthalene-d8	2362947	10.604				
15067-26-2	Acenaphthene-d10	1505325	14.463				
1517-22-2	Phenanthrene-d10	2764800	17.263				
1719-03-5	Chrysene-d12	1762835	21.721				
1520-96-3	Perylene-d12	2133139	25.139				

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-07-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-29RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
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
BP021539.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.5	U	92.5	290	350	ug/Kg
110-86-1	Pyridine	85.1	U	85.1	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.3	U	88.3	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.2	U	89.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	89	U	89	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.1	U	90.1	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.6	U	91.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.2	U	92.2	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.4	U	88.4	290	350	ug/Kg
95-48-7	2-Methylphenol	85.9	U	85.9	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	96.8	U	96.8	140	180	ug/Kg
98-86-2	Acetophenone	92.6	U	92.6	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85	U	85	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.9	U	42.9	85.2	85.2	ug/Kg
67-72-1	Hexachloroethane	88.4	U	88.4	140	180	ug/Kg
98-95-3	Nitrobenzene	96.7	U	96.7	140	180	ug/Kg
78-59-1	Isophorone	90.1	U	90.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.3	U	99.3	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.4	U	91.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.4	U	80.4	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91	U	91	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88	U	88	140	180	ug/Kg
106-47-8	4-Chloroaniline	88	U	88	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.7	U	88.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-07-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-29RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
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
BP021539.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.5	U	92.5	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.6	U	82.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	87.9	U	87.9	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.1	U	76.1	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.8	U	78.8	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.1	U	93.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.7	U	88.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87	U	87	140	180	ug/Kg
208-96-8	Acenaphthylene	92.2	U	92.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.6	U	88.6	140	180	ug/Kg
99-09-2	3-Nitroaniline	95	U	95	140	180	ug/Kg
83-32-9	Acenaphthene	86.4	U	86.4	140	180	ug/Kg
Total PAH	Total PAH	1411.7	U	1411.7	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	89.9	U	89.9	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.4	U	180.4	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.8	U	91.8	140	180	ug/Kg
84-66-2	Diethylphthalate	85.3	U	85.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.2	U	91.2	140	180	ug/Kg
86-73-7	Fluorene	91.1	U	91.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	86.9	U	86.9	140	180	ug/Kg
103-33-3	Azobenzene	84.8	U	84.8	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.1	U	84.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.6	U	90.6	140	180	ug/Kg
1912-24-9	Atrazine	97.4	U	97.4	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-07-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-29RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
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
BP021539.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.4	U	82.4	290	350	ug/Kg
85-01-8	Phenanthrene	89.5	U	89.5	140	180	ug/Kg
120-12-7	Anthracene	89.9	U	89.9	140	180	ug/Kg
86-74-8	Carbazole	85.6	U	85.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.8	U	89.8	140	180	ug/Kg
206-44-0	Fluoranthene	87	U	87	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.4	U	88.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86	U	86	140	180	ug/Kg
218-01-9	Chrysene	84.7	U	84.7	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97	U	97	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.4	U	86.4	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.1	U	99.1	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.2	U	83.2	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.5	U	86.5	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.3	U	85.3	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.5	U	92.5	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.6	U	79.6	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.6	U	88.6	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.545		18-112		43	SPK: -150
13127-88-3	Phenol-d6	61.14		15-107		41	SPK: -150
4165-60-0	Nitrobenzene-d5	45.787		18-107		46	SPK: -100
321-60-8	2-Fluorobiphenyl	38.276		20-109		38	SPK: -100

Report of Analysis

Client:		Date Collected:	8/6/2024 12:00:00 AM
Project:		Date Received:	8/6/2024 12:00:00 AM
Client Sample ID:	OU4-CF-07-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-29RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.2
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
BP021539.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	68.197		10-116		45	SPK: -150
1718-51-0	Terphenyl-d14	39.552		10-105		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	454428	7.822				
1146-65-2	Naphthalene-d8	1797076	10.605				
15067-26-2	Acenaphthene-d10	1035485	14.463				
1517-22-2	Phenanthrene-d10	2078183	17.263				
1719-03-5	Chrysene-d12	1931232	21.722				
1520-96-3	Perylene-d12	2266318	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-03-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-05RE	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
BP021540.D	1	8/10/2024 12:00:00 AM	8/16/2024 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-03-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-05RE	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
BP021540.D	1	8/10/2024 12:00:00 AM	8/16/2024 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	1890	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	190	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	190	240	ug/Kg
84-66-2	Diethylphthalate	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-03-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-05RE	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
BP021540.D	1	8/10/2024 12:00:00 AM	8/16/2024 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	120	U	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	140	J	120	190	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	470	ug/Kg
129-00-0	Pyrene	150	J	120	190	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	470	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	190	240	ug/Kg
218-01-9	Chrysene	110	J	110	190	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	240	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	380	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	120	190	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	190	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	190	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	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	81.797		18-112		55	SPK: -150
13127-88-3	Phenol-d6	81.961		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	56.867		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	42.416		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-03-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-05RE	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
BP021540.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.827		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	37.624		10-105		38	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	543985	7.822				
1146-65-2	Naphthalene-d8	2309246	10.61				
15067-26-2	Acenaphthene-d10	1337933	14.463				
1517-22-2	Phenanthrene-d10	2187436	17.269				
1719-03-5	Chrysene-d12	1743108	21.715				
1520-96-3	Perylene-d12	2225455	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-04-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	32.1
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
BP021541.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	U	130	400	490	ug/Kg
110-86-1	Pyridine	120	U	120	190	250	ug/Kg
100-52-7	Benzaldehyde	270	U	270	400	490	ug/Kg
62-53-3	Aniline	140	U	140	190	250	ug/Kg
108-95-2	Phenol	120	U	120	190	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	190	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	190	250	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	250	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	190	250	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	190	250	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	400	490	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	190	250	ug/Kg
98-86-2	Acetophenone	130	U	130	190	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	400	490	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	59.3	U	59.3	120	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	190	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	190	250	ug/Kg
78-59-1	Isophorone	120	U	120	190	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	190	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	190	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	190	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	250	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	130	U	130	190	250	ug/Kg
65-85-0	Benzoic acid	350	U	350	400	490	ug/Kg
91-20-3	Naphthalene	120	U	120	190	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	190	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	250	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-04-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	32.1
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
BP021541.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	130	U	130	400	490	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	190	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	190	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	400	490	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	190	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	190	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	190	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	190	250	ug/Kg
208-96-8	Acenaphthylene	130	U	130	190	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	190	250	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	250	ug/Kg
83-32-9	Acenaphthene	120	U	120	190	250	ug/Kg
Total PAH	Total PAH	1950	U	1950	190	4000	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	400	490	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	400	490	ug/Kg
132-64-9	Dibenzofuran	120	U	120	190	250	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	190	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	190	250	ug/Kg
84-66-2	Diethylphthalate	120	U	120	190	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	190	250	ug/Kg
86-73-7	Fluorene	130	U	130	190	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	190	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	400	490	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	190	250	ug/Kg
103-33-3	Azobenzene	120	U	120	190	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	190	250	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	190	250	ug/Kg
1912-24-9	Atrazine	130	U	130	190	250	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-04-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	32.1
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
BP021541.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	400	490	ug/Kg
85-01-8	Phenanthrene	120	U	120	190	250	ug/Kg
120-12-7	Anthracene	120	U	120	190	250	ug/Kg
86-74-8	Carbazole	120	U	120	190	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	190	250	ug/Kg
206-44-0	Fluoranthene	130	J	120	190	250	ug/Kg
92-87-5	Benzidine	240	U	240	400	490	ug/Kg
129-00-0	Pyrene	120	U	120	190	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	400	490	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	190	250	ug/Kg
218-01-9	Chrysene	120	U	120	190	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	400	490	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	190	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	190	250	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	190	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	190	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	190	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	190	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	190	250	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	250	250	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.087		18-112		45	SPK: -150
13127-88-3	Phenol-d6	65.807		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	48.828		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	35.287		20-109		35	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-04-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3518-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	32.1
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
BP021541.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	61.537		10-116		41	SPK: -150
1718-51-0	Terphenyl-d14	31.08		10-105		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	467262	7.822				
1146-65-2	Naphthalene-d8	1831532	10.61				
15067-26-2	Acenaphthene-d10	983158	14.463				
1517-22-2	Phenanthrene-d10	1814668	17.269				
1719-03-5	Chrysene-d12	1720162	21.716				
1520-96-3	Perylene-d12	2107755	25.145				

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.:	BP081624
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
BP021542.D	1	8/10/2024 12:00:00 AM	8/16/2024 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.:	BP081624
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
BP021542.D	1	8/10/2024 12:00:00 AM	8/16/2024 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
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	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



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.:	BP081624	
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
BP021542.D	1	8/10/2024 12:00:00 AM	8/16/2024 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	180	J	110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	360	440	ug/Kg
129-00-0	Pyrene	230		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	J	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	160	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	81.521		18-112		54	SPK: -150
13127-88-3	Phenol-d6	80.704		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.983		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	40.109		20-109		40	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.:	BP081624
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
BP021542.D	1	8/10/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162631

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	79.599		10-116		53	SPK: -150
1718-51-0	Terphenyl-d14	44.949		10-105		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	582834	7.822				
1146-65-2	Naphthalene-d8	2442333	10.61				
15067-26-2	Acenaphthene-d10	1540337	14.469				
1517-22-2	Phenanthrene-d10	2738628	17.275				
1719-03-5	Chrysene-d12	1670991	21.716				
1520-96-3	Perylene-d12	2090847	25.157				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021543.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021543.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	380	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	380	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	99.6	U	99.6	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	240	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	240	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	240	ug/Kg
Total PAH	Total PAH	3050	U	1850	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	340	380	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	240	ug/Kg
86-73-7	Fluorene	120	U	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	380	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	240	ug/Kg
103-33-3	Azobenzene	110	U	110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021543.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	460	ug/Kg
85-01-8	Phenanthrene	430		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	500		110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	520		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	270		110	180	240	ug/Kg
218-01-9	Chrysene	290		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	310		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	J	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	290		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	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	170	J	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.325		18-112		50	SPK: -150
13127-88-3	Phenol-d6	74.601		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	54.324		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	43.517		20-109		44	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-17-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-03RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.5
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021543.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	65.787		10-116		44	SPK: -150
1718-51-0	Terphenyl-d14	35.974		10-105		36	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	586383	7.816				
1146-65-2	Naphthalene-d8	2455992	10.61				
15067-26-2	Acenaphthene-d10	1427841	14.463				
1517-22-2	Phenanthrene-d10	2210596	17.269				
1719-03-5	Chrysene-d12	1703396	21.722				
1520-96-3	Perylene-d12	2165748	25.151				

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.:	BP081624
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
BP021544.D	1	8/9/2024 12:00:00 AM	8/16/2024 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.:	BP081624
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
BP021544.D	1	8/9/2024 12:00:00 AM	8/16/2024 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	2270	U	1800	180	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	330	370	450	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	450	ug/Kg
132-64-9	Dibenzofuran	110	U	110	180	230	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	180	460	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	230	ug/Kg
86-73-7	Fluorene	120	U	120	180	230	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	450	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	230	ug/Kg
103-33-3	Azobenzene	110	U	110	180	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	230	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	230	ug/Kg
1912-24-9	Atrazine	120	U	120	180	230	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-18-080724RE	SDG No.:	BP081624
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
BP021544.D	1	8/9/2024 12:00:00 AM	8/16/2024 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	440		110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	370		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	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	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	230		130	180	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	110	180	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	110	180	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	230	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	230	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.423		18-112		52	SPK: -150
13127-88-3	Phenol-d6	73.856		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	58.102		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	48.106		20-109		48	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.:	BP081624
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
BP021544.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.6		10-116		48	SPK: -150
1718-51-0	Terphenyl-d14	38.614		10-105		39	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	533883	7.816				
1146-65-2	Naphthalene-d8	2078369	10.604				
15067-26-2	Acenaphthene-d10	1079898	14.463				
1517-22-2	Phenanthrene-d10	1822950	17.263				
1719-03-5	Chrysene-d12	1744605	21.722				
1520-96-3	Perylene-d12	2098923	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-19-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021545.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021545.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021545.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	380	460	ug/Kg
85-01-8	Phenanthrene	120	J	120	180	240	ug/Kg
120-12-7	Anthracene	120	U	120	180	240	ug/Kg
86-74-8	Carbazole	110	U	110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	240	ug/Kg
206-44-0	Fluoranthene	180	J	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	380	460	ug/Kg
129-00-0	Pyrene	230	J	120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	380	460	ug/Kg
56-55-3	Benzo(a)anthracene	110	J	110	180	240	ug/Kg
218-01-9	Chrysene	130	J	110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	380	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	J	110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.024		18-112		54	SPK: -150
13127-88-3	Phenol-d6	80.814		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.753		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	41.191		20-109		41	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-19-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-07RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021545.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.46		10-116		52	SPK: -150
1718-51-0	Terphenyl-d14	41.789		10-105		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	567528	7.816				
1146-65-2	Naphthalene-d8	2410104	10.605				
15067-26-2	Acenaphthene-d10	1504211	14.457				
1517-22-2	Phenanthrene-d10	2619781	17.257				
1719-03-5	Chrysene-d12	1633933	21.71				
1520-96-3	Perylene-d12	2021792	25.133				

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021546.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021546.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

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

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021546.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	450	ug/Kg
85-01-8	Phenanthrene	110	U	110	180	230	ug/Kg
120-12-7	Anthracene	110	U	110	180	230	ug/Kg
86-74-8	Carbazole	110	U	110	180	230	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	180	230	ug/Kg
206-44-0	Fluoranthene	180	J	110	180	230	ug/Kg
92-87-5	Benzidine	220	U	220	370	450	ug/Kg
129-00-0	Pyrene	150	J	110	180	230	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	130	U	130	370	450	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	230	ug/Kg
218-01-9	Chrysene	110	U	110	180	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	180	230	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	450	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	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	64.505		18-112		43	SPK: -150
13127-88-3	Phenol-d6	58.844		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	48.643		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	34.167		20-109		34	SPK: -100

Report of Analysis

Client:		Date Collected:	8/8/2024 12:00:00 AM
Project:		Date Received:	8/8/2024 12:00:00 AM
Client Sample ID:	OU4-TS-22-080724RE	SDG No.:	BP081624
Lab Sample ID:	P3519-13RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	26.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP021546.D	1	8/9/2024 12:00:00 AM	8/16/2024 12:00:00 AM	PB162602

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.844		10-116		47	SPK: -150
1718-51-0	Terphenyl-d14	32.755		10-105		33	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	404271	7.816				
1146-65-2	Naphthalene-d8	1510773	10.604				
15067-26-2	Acenaphthene-d10	882799	14.469				
1517-22-2	Phenanthrene-d10	1874665	17.263				
1719-03-5	Chrysene-d12	1770374	21.71				
1520-96-3	Perylene-d12	2065937	25.133				

Hit Summary Sheet SW-846

SDG No.: BP081624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-TS-01-080724RE								
P3518-01RE	OU4-TS-01-080724RE	Solid	Fluoranthene	120.000	J	110	240	ug/Kg
P3518-01RE	OU4-TS-01-080724RE	Solid	Pyrene	120.000	J	120	240	ug/Kg
Total Svoc :				240.00				
Total Concentration:				240.00				
Client ID : OU4-TS-03-080724RE								
P3518-05RE	OU4-TS-03-080724RE	Solid	Benzo(b)fluoranthene	140.000	J	120	240	ug/Kg
P3518-05RE	OU4-TS-03-080724RE	Solid	Chrysene	110.000	J	110	240	ug/Kg
P3518-05RE	OU4-TS-03-080724RE	Solid	Fluoranthene	140.000	J	120	240	ug/Kg
P3518-05RE	OU4-TS-03-080724RE	Solid	Pyrene	150.000	J	120	240	ug/Kg
Total Svoc :				540.00				
Total Concentration:				540.00				
Client ID : OU4-TS-04-080724RE								
P3518-07RE	OU4-TS-04-080724RE	Solid	Fluoranthene	130.000	J	120	250	ug/Kg
Total Svoc :				130.00				
Total Concentration:				130.00				
Client ID : OU4-TS-05-080724RE								
P3518-09RE	OU4-TS-05-080724RE	Solid	Benzo(a)anthracene	110.000	J	110	230	ug/Kg
P3518-09RE	OU4-TS-05-080724RE	Solid	Benzo(b)fluoranthene	160.000	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	180.000	J	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	230.000		110	230	ug/Kg
Total Svoc :				920.00				
Total Concentration:				920.00				
Client ID : OU4-TS-17-080724RE								
P3519-03RE	OU4-TS-17-080724RE	Solid	Benzo(a)anthracene	270.000		110	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Benzo(a)pyrene	290.000		130	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Benzo(b)fluoranthene	310.000		110	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Benzo(g,h,i)perylene	170.000	J	110	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Benzo(k)fluoranthene	120.000	J	120	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Chrysene	290.000		110	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Fluoranthene	500.000		110	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Indeno(1,2,3-cd)pyrene	150.000	J	110	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Phenanthrene	430.000		120	240	ug/Kg
P3519-03RE	OU4-TS-17-080724RE	Solid	Pyrene	520.000		120	240	ug/Kg
Total Svoc :				3,050.00				

Hit Summary Sheet
SW-846

SDG No.: BP081624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				3,050.00				
Client ID :	OU4-TS-18-080724RE							
P3519-05RE	OU4-TS-18-080724RE	Solid	Benzo(a)anthracene	220.000	J	110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Benzo(a)pyrene	230.000		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	150.000	J	110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Chrysene	220.000	J	110	230	ug/Kg
P3519-05RE	OU4-TS-18-080724RE	Solid	Fluoranthene	440.000		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	370.000		110	230	ug/Kg
Total Svoc :				2,270.00				
Total Concentration:				2,270.00				
Client ID :	OU4-TS-19-080724RE							
P3519-07RE	OU4-TS-19-080724RE	Solid	Benzo(a)anthracene	110.000	J	110	240	ug/Kg
P3519-07RE	OU4-TS-19-080724RE	Solid	Benzo(b)fluoranthene	150.000	J	110	240	ug/Kg
P3519-07RE	OU4-TS-19-080724RE	Solid	Chrysene	130.000	J	110	240	ug/Kg
P3519-07RE	OU4-TS-19-080724RE	Solid	Fluoranthene	180.000	J	110	240	ug/Kg
P3519-07RE	OU4-TS-19-080724RE	Solid	Phenanthrene	120.000	J	120	240	ug/Kg
P3519-07RE	OU4-TS-19-080724RE	Solid	Pyrene	230.000	J	120	240	ug/Kg
Total Svoc :				920.00				
Total Concentration:				920.00				
Client ID :	OU4-TS-22-080724RE							
P3519-13RE	OU4-TS-22-080724RE	Solid	Benzo(b)fluoranthene	120.000	J	110	230	ug/Kg
P3519-13RE	OU4-TS-22-080724RE	Solid	Fluoranthene	180.000	J	110	230	ug/Kg
P3519-13RE	OU4-TS-22-080724RE	Solid	Pyrene	150.000	J	110	230	ug/Kg
Total Svoc :				450.00				
Total Concentration:				450.00				



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.: BP081624 SAS No.: BP081624 SDG NO.: BP081624

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 16 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 10:17

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 PB162487BL	401861	7.82	1.61488e	10.60	1.07099e	14.46
02 OU4-TS-01-080724RE	453420	7.82	1.9305e+	10.60	1.21353e	14.47
03 OU4-TS-02-080724RE	468282	7.82	2.06812e	10.60	1.41397e	14.46
04 OU4-CF-02-080724RE	459114	7.82	1.80289e	10.61	991466	14.47
05 OU4-CF-05-080724RE	596087	7.82	2.53203e	10.60	1.64204e	14.46
06 OU4-CF-06-080724RE	540136	7.82	2.36295e	10.60	1.50533e	14.46
07 OU4-CF-07-080724RE	454428	7.82	1.79708e	10.61	1.03549e	14.46
08 OU4-TS-03-080724RE	543985	7.82	2.30925e	10.61	1.33793e	14.46
09 OU4-TS-04-080724RE	467262	7.82	1.83153e	10.61	983158	14.46
10 OU4-TS-05-080724RE	582834	7.82	2.44233e	10.61	1.54034e	14.47
11 OU4-TS-17-080724RE	586383	7.82	2.45599e	10.61	1.42784e	14.46
12 OU4-TS-18-080724RE	533883	7.82	2.07837e	10.60	1.0799e+	14.46
13 OU4-TS-19-080724RE	567528	7.82	2.4101e+	10.61	1.50421e	14.46
14 OU4-TS-22-080724RE	404271	7.82	1.51077e	10.60	882799	14.47

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.: BP081624 SAS No.: BP081624 SDG NO.: BP081624

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 16 2024 12:00AM

Lab File ID: BP021532.D Time Analyzed: 10:17

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	503547	7.816	2.20655e+01	10.61	1.42911e+001	14.46
UPPER LIMIT	1007094	8.316	4413100	11.11	2858220	14.963
LOWER LIMIT	251773.5	7.316	1103275	10.11	714555	13.963
EPA SAMPLE NO.						
01 PB162487BL	401861	7.82	1.61488e	10.60	1.07099e	14.46
02 OU4-TS-01-080724RE	453420	7.82	1.9305e+	10.60	1.21353e	14.47
03 OU4-TS-02-080724RE	468282	7.82	2.06812e	10.60	1.41397e	14.46
04 OU4-CF-02-080724RE	459114	7.82	1.80289e	10.61	991466	14.47
05 OU4-CF-05-080724RE	596087	7.82	2.53203e	10.60	1.64204e	14.46
06 OU4-CF-06-080724RE	540136	7.82	2.36295e	10.60	1.50533e	14.46
07 OU4-CF-07-080724RE	454428	7.82	1.79708e	10.61	1.03549e	14.46
08 OU4-TS-03-080724RE	543985	7.82	2.30925e	10.61	1.33793e	14.46
09 OU4-TS-04-080724RE	467262	7.82	1.83153e	10.61	983158	14.46
10 OU4-TS-05-080724RE	582834	7.82	2.44233e	10.61	1.54034e	14.47
11 OU4-TS-17-080724RE	586383	7.82	2.45599e	10.61	1.42784e	14.46
12 OU4-TS-18-080724RE	533883	7.82	2.07837e	10.60	1.0799e+	14.46
13 OU4-TS-19-080724RE	567528	7.82	2.4101e+	10.61	1.50421e	14.46
14 OU4-TS-22-080724RE	404271	7.82	1.51077e	10.60	882799	14.47

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.: BP081624 SAS No.: BP081624 SDG NO.: BP081624

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 16 2024 12:00AM

Lab File ID: BP021485.D Time Analyzed: 10:17

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 PB162487BL	2.20495	17.26	1.73159e+01	21.72	2.05424e+01	25.13
02 OU4-TS-01-080724RE	2.35208	17.27	1.9908e+01	21.72	2.35506e+01	25.14
03 OU4-TS-02-080724RE	2.87759	17.26	1.66482e+01	21.71	1.93784e+01	25.13
04 OU4-CF-02-080724RE	1.79973	17.26	1.80499e+01	21.72	2.15828e+01	25.13
05 OU4-CF-05-080724RE	3.264e+01	17.25	1.92656e+01	21.71	2.1971e+01	25.13
06 OU4-CF-06-080724RE	2.7648e+01	17.26	1.76284e+01	21.72	2.13314e+01	25.14
07 OU4-CF-07-080724RE	2.07818	17.26	1.93123e+01	21.72	2.26632e+01	25.15
08 OU4-TS-03-080724RE	2.18744	17.27	1.74311e+01	21.72	2.22546e+01	25.13
09 OU4-TS-04-080724RE	1.81467	17.27	1.72016e+01	21.72	2.10776e+01	25.15
10 OU4-TS-05-080724RE	2.73863	17.28	1.67099e+01	21.72	2.09085e+01	25.16
11 OU4-TS-17-080724RE	2.2106e+01	17.27	1.7034e+01	21.72	2.16575e+01	25.15
12 OU4-TS-18-080724RE	1.82295	17.26	1.74461e+01	21.72	2.09892e+01	25.15
13 OU4-TS-19-080724RE	2.61978	17.26	1.63393e+01	21.71	2.02179e+01	25.13
14 OU4-TS-22-080724RE	1.87467	17.26	1.77037e+01	21.71	2.06594e+01	25.13

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.: BP081624 SAS No.: BP081624 SDG NO.: BP081624

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 16 2024 12:00AM

Lab File ID: BP021532.D Time Analyzed: 10:17

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	2.66416e+01	17.263	1.57775e+	21.721	1.86994e+01	25.157
UPPER LIMIT	5328320	17.763	3155500	22.221	3739880	25.657
LOWER LIMIT	1332080	16.763	788875	21.221	934970	24.657
EPA SAMPLE NO.						
01 PB162487BL	2.20495	17.26	1.73159e+	21.72	2.05424e+	25.13
02 OU4-TS-01-080724RE	2.35208	17.27	1.9908e+0	21.72	2.35506e+	25.14
03 OU4-TS-02-080724RE	2.87759	17.26	1.66482e+	21.71	1.93784e+	25.13
04 OU4-CF-02-080724RE	1.79973	17.26	1.80499e+	21.72	2.15828e+	25.13
05 OU4-CF-05-080724RE	3.264e+	17.25	1.92656e+	21.71	2.1971e+0	25.13
06 OU4-CF-06-080724RE	2.7648e	17.26	1.76284e+	21.72	2.13314e+	25.14
07 OU4-CF-07-080724RE	2.07818	17.26	1.93123e+	21.72	2.26632e+	25.15
08 OU4-TS-03-080724RE	2.18744	17.27	1.74311e+	21.72	2.22546e+	25.13
09 OU4-TS-04-080724RE	1.81467	17.27	1.72016e+	21.72	2.10776e+	25.15
10 OU4-TS-05-080724RE	2.73863	17.28	1.67099e+	21.72	2.09085e+	25.16
11 OU4-TS-17-080724RE	2.2106e	17.27	1.7034e+0	21.72	2.16575e+	25.15
12 OU4-TS-18-080724RE	1.82295	17.26	1.74461e+	21.72	2.09892e+	25.15
13 OU4-TS-19-080724RE	2.61978	17.26	1.63393e+	21.71	2.02179e+	25.13
14 OU4-TS-22-080724RE	1.87467	17.26	1.77037e+	21.71	2.06594e+	25.13

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162487BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP081624

SAS No.: BP081624 SDG NO.: BP081624

Lab File ID: BP021533.D

Lab Sample ID: PB162487BL

Instrument ID: BNA_P

Date Extracted: 08/05/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/16/2024

Level: (low/med) LOW

Time Analyzed: 10:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

Surrogate Summary

SW-846

SDG No.: BP081624

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162487BL	PB162487BL	BP021533.D	2-Fluorophenol	150	128.96	86		18	112
			Phenol-d6	150	119.89	80		15	107
			Nitrobenzene-d5	100	91.13	91		18	107
			2-Fluorobiphenyl	100	80.20	80		20	109
			2,4,6-Tribromophenol	150	141.01	94		10	116
			Terphenyl-d14	100	91.86	92		10	105

Surrogate Summary

SW-846

SDG No.: **BP081624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3519-03RE	OU4-TS-17-080724BP021543.D		2-Fluorophenol	150	75.33	50		18	112
			Phenol-d6	150	74.60	50		15	107
			Nitrobenzene-d5	100	54.32	54		18	107
			2-Fluorobiphenyl	100	43.52	44		20	109
			2,4,6-Tribromophenol	150	65.79	44		10	116
			Terphenyl-d14	100	35.97	36		10	105
P3519-05RE	OU4-TS-18-080724BP021544.D		2-Fluorophenol	150	78.42	52		18	112
			Phenol-d6	150	73.86	49		15	107
			Nitrobenzene-d5	100	58.10	58		18	107
			2-Fluorobiphenyl	100	48.11	48		20	109
			2,4,6-Tribromophenol	150	71.60	48		10	116
			Terphenyl-d14	100	38.61	39		10	105
P3519-07RE	OU4-TS-19-080724BP021545.D		2-Fluorophenol	150	81.02	54		18	112
			Phenol-d6	150	80.81	54		15	107
			Nitrobenzene-d5	100	57.75	58		18	107
			2-Fluorobiphenyl	100	41.19	41		20	109
			2,4,6-Tribromophenol	150	77.46	52		10	116
			Terphenyl-d14	100	41.79	42		10	105
P3519-13RE	OU4-TS-22-080724BP021546.D		2-Fluorophenol	150	64.51	43		18	112
			Phenol-d6	150	58.84	39		15	107
			Nitrobenzene-d5	100	48.64	49		18	107
			2-Fluorobiphenyl	100	34.17	34		20	109
			2,4,6-Tribromophenol	150	70.84	47		10	116
			Terphenyl-d14	100	32.76	33		10	105
P3519-19RE	OU4-CF-02-080724BP021536.D		2-Fluorophenol	150	51.50	34		18	112
			Phenol-d6	150	50.03	33		15	107
			Nitrobenzene-d5	100	38.66	39		18	107
			2-Fluorobiphenyl	100	37.38	37		20	109
			2,4,6-Tribromophenol	150	51.59	34		10	116
			Terphenyl-d14	100	35.60	36		10	105
P3519-25RE	OU4-CF-05-080724BP021537.D		2-Fluorophenol	150	63.49	42		18	112
			Phenol-d6	150	64.10	43		15	107
			Nitrobenzene-d5	100	43.20	43		18	107
			2-Fluorobiphenyl	100	33.54	34		20	109
			2,4,6-Tribromophenol	150	66.85	45		10	116
			Terphenyl-d14	100	47.51	48		10	105
P3519-27RE	OU4-CF-06-080724BP021538.D		2-Fluorophenol	150	76.99	51		18	112
			Phenol-d6	150	78.07	52		15	107
			Nitrobenzene-d5	100	50.73	51		18	107
			2-Fluorobiphenyl	100	38.67	39		20	109
			2,4,6-Tribromophenol	150	74.96	50		10	116
			Terphenyl-d14	100	44.60	45		10	105
P3519-29RE	OU4-CF-07-080724BP021539.D		2-Fluorophenol	150	64.55	43		18	112
			Phenol-d6	150	61.14	41		15	107
			Nitrobenzene-d5	100	45.79	46		18	107
			2-Fluorobiphenyl	100	38.28	38		20	109
			2,4,6-Tribromophenol	150	68.20	45		10	116
			Terphenyl-d14	100	39.55	40		10	105

Surrogate Summary

SW-846

SDG No.: **BP081624**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3518-01RE	OU4-TS-01-080724BP021534.D		2-Fluorophenol	150	60.47	40		18	112
			Phenol-d6	150	58.64	39		15	107
			Nitrobenzene-d5	100	43.82	44		18	107
			2-Fluorobiphenyl	100	31.32	31		20	109
			2,4,6-Tribromophenol	150	58.98	39		10	116
			Terphenyl-d14	100	28.76	29		10	105
P3518-03RE	OU4-TS-02-080724BP021535.D		2-Fluorophenol	150	58.12	39		18	112
			Phenol-d6	150	58.91	39		15	107
			Nitrobenzene-d5	100	40.52	41		18	107
			2-Fluorobiphenyl	100	28.78	29		20	109
			2,4,6-Tribromophenol	150	59.40	40		10	116
			Terphenyl-d14	100	34.06	34		10	105
P3518-05RE	OU4-TS-03-080724BP021540.D		2-Fluorophenol	150	81.80	55		18	112
			Phenol-d6	150	81.96	55		15	107
			Nitrobenzene-d5	100	56.87	57		18	107
			2-Fluorobiphenyl	100	42.42	42		20	109
			2,4,6-Tribromophenol	150	70.83	47		10	116
			Terphenyl-d14	100	37.62	38		10	105
P3518-07RE	OU4-TS-04-080724BP021541.D		2-Fluorophenol	150	68.09	45		18	112
			Phenol-d6	150	65.81	44		15	107
			Nitrobenzene-d5	100	48.83	49		18	107
			2-Fluorobiphenyl	100	35.29	35		20	109
			2,4,6-Tribromophenol	150	61.54	41		10	116
			Terphenyl-d14	100	31.08	31		10	105
P3518-09RE	OU4-TS-05-080724BP021542.D		2-Fluorophenol	150	81.52	54		18	112
			Phenol-d6	150	80.70	54		15	107
			Nitrobenzene-d5	100	57.98	58		18	107
			2-Fluorobiphenyl	100	40.11	40		20	109
			2,4,6-Tribromophenol	150	79.60	53		10	116
			Terphenyl-d14	100	44.95	45		10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP081624

Lab Code: CHEM

SAS No.: BP081624 SDG NO.: BP081624

Lab File ID: BP021531.D

DFTPP Injection Date: 08/16/2024

Instrument ID: BNA_P

DFTPP Injection Time: 08:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.1
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.6
197	Less than 2.0% of mass 198	0.3
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	28.4
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	92.9
443	15.0 - 24.0% of mass 442	18.5 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP021532.D	08/16/2024	09:35
PB162487BL	PB162487BL	BP021533.D	08/16/2024	10:17
OU4-TS-01-080724RE	P3518-01RE	BP021534.D	08/16/2024	10:59
OU4-TS-02-080724RE	P3518-03RE	BP021535.D	08/16/2024	11:42
OU4-CF-02-080724RE	P3519-19RE	BP021536.D	08/16/2024	12:24
OU4-CF-05-080724RE	P3519-25RE	BP021537.D	08/16/2024	13:06
OU4-CF-06-080724RE	P3519-27RE	BP021538.D	08/16/2024	13:48
OU4-CF-07-080724RE	P3519-29RE	BP021539.D	08/16/2024	14:30
OU4-TS-03-080724RE	P3518-05RE	BP021540.D	08/16/2024	15:12
OU4-TS-04-080724RE	P3518-07RE	BP021541.D	08/16/2024	15:54
OU4-TS-05-080724RE	P3518-09RE	BP021542.D	08/16/2024	16:38
OU4-TS-17-080724RE	P3519-03RE	BP021543.D	08/16/2024	17:22
OU4-TS-18-080724RE	P3519-05RE	BP021544.D	08/16/2024	18:05
OU4-TS-19-080724RE	P3519-07RE	BP021545.D	08/16/2024	18:49
OU4-TS-22-080724RE	P3519-13RE	BP021546.D	08/16/2024	19:33
SSTDCCC040EC	SSTDCCC040	BP021547.D	08/16/2024	20:16