

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG No.: BF080124

Instrument ID: BNA_F Calibration Date/Time: 8/1/2024 12:09:43

Lab File ID: BF138714.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.818	0.808		-1.222	
Pyridine	1.374	1.349		-1.82	
2-Fluorophenol	1.296	1.272		-1.852	
Benzaldehyde	1.043	0.811		-22.244	
Aniline	1.551	1.527		-1.547	
Phenol-d6	1.740	1.703		-2.126	
Phenol	1.832	1.760		-3.878	20.0
bis(2-Chloroethyl) ether	1.409	1.369		-2.839	
2-Chlorophenol	1.363	1.353		-0.734	
1,2-Dichlorobenzene	1.439	1.417		-1.529	
1,3-Dichlorobenzene	1.526	1.483		-2.818	
1,4-Dichlorobenzene	1.540	1.502		-2.468	20.0
Benzyl Alcohol	1.254	1.267		1.037	
2-Methylphenol	1.126	1.108		-1.599	
2,2-oxybis(1-Chloropropane)	2.426	2.268		-6.513	
Acetophenone	0.490	0.475		-3.061	
3+4-Methylphenols	1.444	1.407		-2.562	
n-Nitroso-di-n-propylamine	1.051	1.032	0.050	-1.808	
Nitrobenzene-d5	0.409	0.405		-0.978	
Hexachloroethane	0.580	0.569		-1.897	
Nitrobenzene	0.416	0.416		0.0	
Isophorone	0.699	0.683		-2.289	
2-Nitrophenol	0.179	0.186		3.911	20.0
2,4-Dimethylphenol	0.214	0.214		0.0	
bis(2-Chloroethoxy) methane	0.425	0.410		-3.529	
2,4-Dichlorophenol	0.275	0.283		2.909	20.0
1,2,4-Trichlorobenzene	0.318	0.311		-2.201	
Benzoic acid	0.168	0.168		0.0	
Naphthalene	1.053	1.027		-2.469	
4-Chloroaniline	0.353	0.353		0.0	
Hexachlorobutadiene	0.192	0.189		-1.563	20.0
Caprolactam	0.082	0.088		7.317	
4-Chloro-3-methylphenol	0.315	0.323		2.54	20.0
2-Methylnaphthalene	0.665	0.653		-1.805	
Hexachlorocyclopentadiene	0.120	0.124	0.050	3.333	
2,4,6-Trichlorophenol	0.339	0.342		0.885	20.0
2-Fluorobiphenyl	1.331	1.296		-2.63	
2,4,5-Trichlorophenol	0.370	0.372		0.541	
1,1-Biphenyl	1.566	1.544		-1.405	

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Lab File ID: BF138714.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.165	1.139		-2.232	
2-Nitroaniline	0.395	0.408		3.291	
Dimethylphthalate	1.279	1.301		1.72	
Acenaphthylene	1.652	1.647		-0.303	
2,6-Dinitrotoluene	0.289	0.301		4.152	
3-Nitroaniline	0.298	0.313		5.034	
Acenaphthene	1.111	1.106		-0.45	20.0
2,4-Dinitrophenol	0.133	0.148	0.050	11.278	
4-Nitrophenol	0.179	0.198	0.050	10.615	
Dibenzofuran	1.568	1.567		-0.064	
2,4-Dinitrotoluene	0.368	0.401		8.967	
Diethylphthalate	1.213	1.249		2.968	
4-Chlorophenyl-phenylether	0.614	0.614		0.0	
Fluorene	1.249	1.255		0.48	
4-Nitroaniline	0.284	0.311		9.507	
4,6-Dinitro-2-methylphenol	0.122	0.128		4.918	
n-Nitrosodiphenylamine	0.625	0.617		-1.28	20.0
Azobenzene	1.345	1.355		0.743	
2,4,6-Tribromophenol	0.164	0.173		5.488	
4-Bromophenyl-phenylether	0.217	0.209		-3.687	
Hexachlorobenzene	0.224	0.220		-1.786	
Atrazine	0.161	0.160		-0.621	
Pentachlorophenol	0.101	0.102		0.99	20.0
Phenanthrene	1.030	1.012		-1.748	
Anthracene	1.015	1.001		-1.379	
Carbazole	0.875	0.896		2.4	
Di-n-butylphthalate	0.984	1.046		6.301	
Fluoranthene	0.961	0.994		3.434	20.0
Benzidine	0.478	0.479		0.209	
Pyrene	1.883	2.104		11.737	
Terphenyl-d14	1.195	1.328		11.13	
Butylbenzylphthalate	0.603	0.608		0.829	
3,3-Dichlorobenzidine	0.352	0.340		-3.409	
Benzo(a)anthracene	1.377	1.361		-1.162	
Chrysene	1.243	1.245		0.161	
Bis(2-ethylhexyl)phthalate	0.883	0.716		-18.913	
Di-n-octyl phthalate	1.634	1.328		-18.727	20.0
Benzo(b)fluoranthene	1.240	1.163		-6.21	
Benzo(k)fluoranthene	1.073	1.148		6.99	

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_F Calibration Date/Time: 8/1/2024 12:09:43

Lab File ID: BF138714.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.043	1.044		0.096	20.0
Indeno(1,2,3-cd)pyrene	1.433	1.380		-3.699	
Dibenzo(a,h)anthracene	1.177	1.129		-4.078	
Benzo(g,h,i)perylene	1.221	1.172		-4.013	
1,2,4,5-Tetrachlorobenzene	0.556	0.544		-2.158	
1,4-Dioxane	0.567	0.552		-2.646	20.0
2,3,4,6-Tetrachlorophenol	0.283	0.283		0.0	
1-Methylnaphthalene	0.652	0.640		-1.84	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG No.: BF080124

Instrument ID: BNA_F Calibration Date/Time: 8/1/2024 12:20:10

Lab File ID: BF138734.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.818	0.785		-4.034	50.0
Pyridine	1.374	1.293		-5.895	50.0
2-Fluorophenol	1.296	1.231		-5.015	50.0
Benzaldehyde	1.043	0.991		-4.986	50.0
Aniline	1.551	1.409		-9.155	50.0
Phenol-d6	1.740	1.666		-4.253	50.0
Phenol	1.832	1.719		-6.117	50.0
bis(2-Chloroethyl)ether	1.409	1.347		-4.4	50.0
2-Chlorophenol	1.363	1.345		-1.321	50.0
1,2-Dichlorobenzene	1.439	1.403		-2.502	50.0
1,3-Dichlorobenzene	1.526	1.472		-3.539	50.0
1,4-Dichlorobenzene	1.540	1.513		-1.753	50.0
Benzyl Alcohol	1.254	1.266		0.957	50.0
2-Methylphenol	1.126	1.081		-3.996	50.0
2,2-oxybis(1-Chloropropane)	2.426	2.290		-5.606	50.0
Acetophenone	0.490	0.487		-0.612	50.0
3+4-Methylphenols	1.444	1.374		-4.848	50.0
n-Nitroso-di-n-propylamine	1.051	1.035	0.050	-1.522	50.0
Nitrobenzene-d5	0.409	0.411		0.489	50.0
Hexachloroethane	0.580	0.577		-0.517	50.0
Nitrobenzene	0.416	0.413		-0.721	50.0
Isophorone	0.699	0.709		1.431	50.0
2-Nitrophenol	0.179	0.186		3.911	50.0
2,4-Dimethylphenol	0.214	0.215		0.467	50.0
bis(2-Chloroethoxy)methane	0.425	0.432		1.647	50.0
2,4-Dichlorophenol	0.275	0.275		0.0	50.0
1,2,4-Trichlorobenzene	0.318	0.315		-0.943	50.0
Benzoic acid	0.168	0.169		0.595	50.0
Naphthalene	1.053	1.034		-1.804	50.0
4-Chloroaniline	0.353	0.297		-15.864	50.0
Hexachlorobutadiene	0.192	0.200		4.167	50.0
Caprolactam	0.082	0.083		1.22	50.0
4-Chloro-3-methylphenol	0.315	0.304		-3.492	50.0
2-Methylnaphthalene	0.665	0.643		-3.308	50.0
Hexachlorocyclopentadiene	0.120	0.119	0.050	-0.833	50.0
2,4,6-Trichlorophenol	0.339	0.354		4.425	50.0
2-Fluorobiphenyl	1.331	1.374		3.231	50.0
2,4,5-Trichlorophenol	0.370	0.375		1.351	50.0
1,1-Biphenyl	1.566	1.616		3.193	50.0

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GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.165	1.182		1.459	50.0
2-Nitroaniline	0.395	0.394		-0.253	50.0
Dimethylphthalate	1.279	1.365		6.724	50.0
Acenaphthylene	1.652	1.621		-1.877	50.0
2,6-Dinitrotoluene	0.289	0.299		3.46	50.0
3-Nitroaniline	0.298	0.283		-5.034	50.0
Acenaphthene	1.111	1.077		-3.06	50.0
2,4-Dinitrophenol	0.133	0.121	0.050	-9.023	50.0
4-Nitrophenol	0.179	0.153	0.050	-14.525	50.0
Dibenzofuran	1.568	1.498		-4.464	50.0
2,4-Dinitrotoluene	0.368	0.356		-3.261	50.0
Diethylphthalate	1.213	1.267		4.452	50.0
4-Chlorophenyl-phenylether	0.614	0.594		-3.257	50.0
Fluorene	1.249	1.158		-7.286	50.0
4-Nitroaniline	0.284	0.259		-8.803	50.0
4,6-Dinitro-2-methylphenol	0.122	0.126		3.279	50.0
n-Nitrosodiphenylamine	0.625	0.715		14.4	50.0
Azobenzene	1.345	1.257		-6.543	50.0
2,4,6-Tribromophenol	0.164	0.145		-11.585	50.0
4-Bromophenyl-phenylether	0.217	0.238		9.677	50.0
Hexachlorobenzene	0.224	0.230		2.679	50.0
Atrazine	0.161	0.167		3.727	50.0
Pentachlorophenol	0.101	0.099		-1.98	50.0
Phenanthrene	1.030	1.013		-1.65	50.0
Anthracene	1.015	1.005		-0.985	50.0
Carbazole	0.875	0.862		-1.486	50.0
Di-n-butylphthalate	0.984	1.213		23.272	50.0
Fluoranthene	0.961	0.930		-3.226	50.0
Benzidine	0.478	0.378		-20.921	50.0
Pyrene	1.883	1.429		-24.11	50.0
Terphenyl-d14	1.195	0.968		-18.996	50.0
Butylbenzylphthalate	0.603	0.651		7.96	50.0
3,3-Dichlorobenzidine	0.352	0.388		10.227	50.0
Benzo(a)anthracene	1.377	1.321		-4.067	50.0
Chrysene	1.243	1.252		0.724	50.0
Bis(2-ethylhexyl)phthalate	0.883	0.988		11.891	50.0
Di-n-octyl phthalate	1.634	1.758		7.589	50.0
Benzo(b)fluoranthene	1.240	1.294		4.355	50.0
Benzo(k)fluoranthene	1.073	1.073		0.0	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.043	1.033		-0.959	50.0
Indeno(1,2,3-cd)pyrene	1.433	1.052		-26.588	50.0
Dibenzo(a,h)anthracene	1.177	0.874		-25.743	50.0
Benzo(g,h,i)perylene	1.221	0.818		-33.006	50.0
1,2,4,5-Tetrachlorobenzene	0.556	0.582		4.676	50.0
1,4-Dioxane	0.567	0.533		-5.996	50.0
2,3,4,6-Tetrachlorophenol	0.283	0.260		-8.127	50.0
1-Methylnaphthalene	0.652	0.627		-3.834	50.0

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	7/26/2024 12:00:00 AM	
Project:				Date Received:	7/26/2024 12:00:00 AM	
Client Sample ID:	PB162312BL			SDG No.:	BF080124	
Lab Sample ID:	PB162312BL			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
BF138715.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

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:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162312BL	SDG No.:	BF080124
Lab Sample ID:	PB162312BL	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
BF138715.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

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



Client:				Date Collected:	7/26/2024 12:00:00 AM	
Project:				Date Received:	7/26/2024 12:00:00 AM	
Client Sample ID:	PB162312BL			SDG No.:	BF080124	
Lab Sample ID:	PB162312BL			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
BF138715.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

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	134.886		18-112		90	SPK: -150
13127-88-3	Phenol-d6	136.253		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	91.064		18-107		91	SPK: -100
321-60-8	2-Fluorobiphenyl	85.782		20-109		86	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162312BL	SDG No.:	BF080124
Lab Sample ID:	PB162312BL	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
BF138715.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.057		10-110		101	SPK: -150
1718-51-0	Terphenyl-d14	92.863		14-112		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	85885	6.845				
1146-65-2	Naphthalene-d8	354172	8.122				
15067-26-2	Acenaphthene-d10	204077	9.88				
1517-22-2	Phenanthrene-d10	383519	11.369				
1719-03-5	Chrysene-d12	248519	14.004				
1520-96-3	Perylene-d12	171941	15.468				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	160	J			2.228	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			5.098	
006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	150	J			16.951	

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162312BS	SDG No.:	BF080124
Lab Sample ID:	PB162312BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138716.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	2100		180	270	330	ug/Kg
62-53-3	Aniline	1200		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1400		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1400		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	950		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162312BS	SDG No.:	BF080124
Lab Sample ID:	PB162312BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138716.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4100	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1000		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	24400		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1700		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162312BS	SDG No.:	BF080124
Lab Sample ID:	PB162312BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138716.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg
92-87-5	Benzidine	740		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1700		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	123.731		18-112		82	SPK: -150
13127-88-3	Phenol-d6	121.979		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	83.1		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	79.931		20-109		80	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	PB162312BS	SDG No.:	BF080124
Lab Sample ID:	PB162312BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138716.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.716		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	101.88		14-112		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87490	6.846				
1146-65-2	Naphthalene-d8	359981	8.128				
15067-26-2	Acenaphthene-d10	201530	9.886				
1517-22-2	Phenanthrene-d10	342771	11.369				
1719-03-5	Chrysene-d12	167107	14.01				
1520-96-3	Perylene-d12	160644	15.474				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138717.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	410	ug/Kg
110-86-1	Pyridine	99.1	U	99.1	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	330	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	410	ug/Kg
95-48-7	2-Methylphenol	99.9	U	99.9	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	98.9	U	98.9	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50	U	50	99.2	99.2	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.6	U	93.6	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138717.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.1	U	96.1	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.5	U	88.5	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.7	U	91.7	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1634.7	U	1634.7	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	99.3	U	99.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	98.7	U	98.7	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.8	U	97.8	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138717.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	95.8	U	95.8	330	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	99.6	U	99.6	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	98.6	U	98.6	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.8	U	96.8	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.3	U	99.3	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.6	U	92.6	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.811		18-112		62	SPK: -150
13127-88-3	Phenol-d6	95.141		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	63.449		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	61.161		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138717.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.498		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	79.521		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	64959	6.846				
1146-65-2	Naphthalene-d8	267825	8.128				
15067-26-2	Acenaphthene-d10	154361	9.881				
1517-22-2	Phenanthrene-d10	273050	11.369				
1719-03-5	Chrysene-d12	146559	14.004				
1520-96-3	Perylene-d12	128853	15.474				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MS	SDG No.:	BF080124
Lab Sample ID:	P3379-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138718.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2100		110	340	410	ug/Kg
110-86-1	Pyridine	1700		99.2	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	1800		120	160	210	ug/Kg
108-95-2	Phenol	2100		100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		100	160	210	ug/Kg
95-57-8	2-Chlorophenol	2200		100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	2200		100	340	410	ug/Kg
95-48-7	2-Methylphenol	2100		100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100		110	160	210	ug/Kg
98-86-2	Acetophenone	1900		110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	2100		99	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2200		50	99.3	99.3	ug/Kg
67-72-1	Hexachloroethane	2000		100	160	210	ug/Kg
98-95-3	Nitrobenzene	1900		110	160	210	ug/Kg
78-59-1	Isophorone	2200		100	160	210	ug/Kg
88-75-5	2-Nitrophenol	2200		120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2100		110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2100		93.7	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2000		110	160	210	ug/Kg
65-85-0	Benzoic acid	1900		290	340	410	ug/Kg
91-20-3	Naphthalene	2000		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	1100		100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	2000		100	160	210	ug/Kg



Client:				Date Collected:	7/23/2024 12:00:00 AM	
Project:				Date Received:	7/23/2024 12:00:00 AM	
Client Sample ID:	OU4-PCS-01-072324MS			SDG No.:	BF080124	
Lab Sample ID:	P3379-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	19.5	
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
BF138718.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2200		110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		96.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	2100		100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6200	E	190	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		88.6	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2100		91.8	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1900		110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	2000		100	160	210	ug/Kg
88-74-4	2-Nitroaniline	2100		120	160	210	ug/Kg
131-11-3	Dimethylphthalate	2300		100	160	210	ug/Kg
208-96-8	Acenaphthylene	2200		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		100	160	210	ug/Kg
99-09-2	3-Nitroaniline	1300		110	160	210	ug/Kg
83-32-9	Acenaphthene	2000		100	160	210	ug/Kg
Total PAH	Total PAH	34100		1635	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	4500	E	300	340	410	ug/Kg
100-02-7	4-Nitrophenol	4100	E	140	340	410	ug/Kg
132-64-9	Dibenzofuran	2100		100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4300		210	160	420	ug/Kg
84-66-2	Diethylphthalate	2300		99.4	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2200		110	160	210	ug/Kg
86-73-7	Fluorene	2100		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	2000		130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2300		150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2200		100	160	210	ug/Kg
103-33-3	Azobenzene	2200		98.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2200		97.9	160	210	ug/Kg
118-74-1	Hexachlorobenzene	2200		110	160	210	ug/Kg
1912-24-9	Atrazine	2600		110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MS	SDG No.:	BF080124
Lab Sample ID:	P3379-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138718.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4100	E	95.9	340	410	ug/Kg
85-01-8	Phenanthrene	2200		100	160	210	ug/Kg
120-12-7	Anthracene	2200		100	160	210	ug/Kg
86-74-8	Carbazole	2000		99.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	2500		100	160	210	ug/Kg
206-44-0	Fluoranthene	2000		100	160	210	ug/Kg
92-87-5	Benzidine	2100		200	340	410	ug/Kg
129-00-0	Pyrene	2100		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	2600		120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000		120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	2200		100	160	210	ug/Kg
218-01-9	Chrysene	2300		98.7	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2600		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2300		140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	2300		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2100		96.9	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		99.4	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		110	160	210	ug/Kg
123-91-1	1,4-Dioxane	1600		140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		92.7	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	2000		100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	100.643		18-112		67	SPK: -150
13127-88-3	Phenol-d6	101.547		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	69.833		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	68.67		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MS	SDG No.:	BF080124
Lab Sample ID:	P3379-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138718.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	113.478		10-110		76	SPK: -150
1718-51-0	Terphenyl-d14	82.532		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70988	6.845				
1146-65-2	Naphthalene-d8	290366	8.128				
15067-26-2	Acenaphthene-d10	158262	9.881				
1517-22-2	Phenanthrene-d10	255483	11.369				
1719-03-5	Chrysene-d12	123517	14.01				
1520-96-3	Perylene-d12	143745	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MSD	SDG No.:	BF080124
Lab Sample ID:	P3379-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138719.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1900		110	340	410	ug/Kg
110-86-1	Pyridine	1600		99.2	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	1700		120	160	210	ug/Kg
108-95-2	Phenol	1900		100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		100	160	210	ug/Kg
95-57-8	2-Chlorophenol	2000		100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	2100		100	340	410	ug/Kg
95-48-7	2-Methylphenol	2000		100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		110	160	210	ug/Kg
98-86-2	Acetophenone	1700		110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		99.1	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	2000		50	99.3	99.3	ug/Kg
67-72-1	Hexachloroethane	1900		100	160	210	ug/Kg
98-95-3	Nitrobenzene	1800		110	160	210	ug/Kg
78-59-1	Isophorone	1900		110	160	210	ug/Kg
88-75-5	2-Nitrophenol	2000		120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		93.8	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		110	160	210	ug/Kg
65-85-0	Benzoic acid	1600		290	340	410	ug/Kg
91-20-3	Naphthalene	1800		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	900		100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	1800		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MSD	SDG No.:	BF080124
Lab Sample ID:	P3379-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138719.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1900		110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		96.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	1900		100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5500	E	190	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		88.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		91.9	160	210	ug/Kg
92-52-4	1,1-Biphenyl	1700		110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	1800		100	160	210	ug/Kg
88-74-4	2-Nitroaniline	1900		120	160	210	ug/Kg
131-11-3	Dimethylphthalate	2000		100	160	210	ug/Kg
208-96-8	Acenaphthylene	2100		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1900		100	160	210	ug/Kg
99-09-2	3-Nitroaniline	1200		110	160	210	ug/Kg
83-32-9	Acenaphthene	1800		100	160	210	ug/Kg
Total PAH	Total PAH	31100		1635.2	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	4000	E	300	340	410	ug/Kg
100-02-7	4-Nitrophenol	3700	E	140	340	410	ug/Kg
132-64-9	Dibenzofuran	1900		100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3800		210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		110	160	210	ug/Kg
84-66-2	Diethylphthalate	2100		99.5	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		110	160	210	ug/Kg
86-73-7	Fluorene	1900		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	1800		130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		100	160	210	ug/Kg
103-33-3	Azobenzene	2000		98.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		98	160	210	ug/Kg
118-74-1	Hexachlorobenzene	2000		110	160	210	ug/Kg
1912-24-9	Atrazine	2300		110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MSD	SDG No.:	BF080124
Lab Sample ID:	P3379-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138719.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3700	E	96	340	410	ug/Kg
85-01-8	Phenanthrene	2000		100	160	210	ug/Kg
120-12-7	Anthracene	2000		100	160	210	ug/Kg
86-74-8	Carbazole	1800		99.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	2300		100	160	210	ug/Kg
206-44-0	Fluoranthene	1800		100	160	210	ug/Kg
92-87-5	Benzidine	1900		200	340	410	ug/Kg
129-00-0	Pyrene	1800		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	2400		120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	2000		100	160	210	ug/Kg
218-01-9	Chrysene	2000		98.7	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2400		110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	2100		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		97	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		99.5	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		110	160	210	ug/Kg
123-91-1	1,4-Dioxane	1400		140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		92.8	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	1800		100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.511		18-112		62	SPK: -150
13127-88-3	Phenol-d6	94.378		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	62.143		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	61.676		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-01-072324MSD	SDG No.:	BF080124
Lab Sample ID:	P3379-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138719.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	101.56		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	76.022		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73016	6.845				
1146-65-2	Naphthalene-d8	308457	8.128				
15067-26-2	Acenaphthene-d10	168182	9.881				
1517-22-2	Phenanthrene-d10	264941	11.369				
1719-03-5	Chrysene-d12	125742	14.01				
1520-96-3	Perylene-d12	145392	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138720.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	410	ug/Kg
110-86-1	Pyridine	99.2	U	99.2	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.1	U	99.1	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50	U	50	99.3	99.3	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.7	U	93.7	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	340	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138720.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.2	U	96.2	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.7	U	88.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.9	U	91.9	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1635.2	U	1635.2	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	340	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	340	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	99.5	U	99.5	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	98.8	U	98.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98	U	98	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138720.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	96	U	96	340	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	99.7	U	99.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	98.7	U	98.7	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97	U	97	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.5	U	99.5	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.7	U	92.7	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	43.067		18-112		29	SPK: -150
13127-88-3	Phenol-d6	49.468		15-107		33	SPK: -150
4165-60-0	Nitrobenzene-d5	32.153		18-107		32	SPK: -100
321-60-8	2-Fluorobiphenyl	39.224		20-109		39	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138720.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	105.15		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	80.637		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66668	6.845				
1146-65-2	Naphthalene-d8	275852	8.122				
15067-26-2	Acenaphthene-d10	157049	9.875				
1517-22-2	Phenanthrene-d10	270380	11.363				
1719-03-5	Chrysene-d12	129760	14.004				
1520-96-3	Perylene-d12	128780	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138721.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	410	ug/Kg
110-86-1	Pyridine	99.1	U	99.1	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	330	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	410	ug/Kg
95-48-7	2-Methylphenol	99.9	U	99.9	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	98.9	U	98.9	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50	U	50	99.2	99.2	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.6	U	93.6	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138721.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.1	U	96.1	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.5	U	88.5	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.8	U	91.8	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1634.7	U	1634.7	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	99.3	U	99.3	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	98.7	U	98.7	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.8	U	97.8	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg



Client:				Date Collected:	7/23/2024 12:00:00 AM	
Project:				Date Received:	7/23/2024 12:00:00 AM	
Client Sample ID:	OU4-PCS-03-072324			SDG No.:	BF080124	
Lab Sample ID:	P3379-05			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	19.4	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138721.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	95.8	U	95.8	330	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	99.6	U	99.6	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	98.6	U	98.6	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.8	U	96.8	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.3	U	99.3	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.6	U	92.6	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.021		18-112		55	SPK: -150
13127-88-3	Phenol-d6	85.591		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	55.28		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	55.327		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138721.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.211		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	72.775		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67765	6.845				
1146-65-2	Naphthalene-d8	288171	8.122				
15067-26-2	Acenaphthene-d10	163668	9.88				
1517-22-2	Phenanthrene-d10	281615	11.363				
1719-03-5	Chrysene-d12	134004	14.004				
1520-96-3	Perylene-d12	133387	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
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
BF138722.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	410	ug/Kg
110-86-1	Pyridine	98.8	U	98.8	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	330	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	410	ug/Kg
95-48-7	2-Methylphenol	99.6	U	99.6	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	98.7	U	98.7	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.8	U	49.8	98.9	98.9	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.3	U	93.3	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
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
BF138722.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.8	U	95.8	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.3	U	88.3	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.5	U	91.5	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1623.7	U	1623.7	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	99	U	99	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	98.4	U	98.4	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.5	U	97.5	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
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
BF138722.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	95.6	U	95.6	330	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	99.3	U	99.3	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	99.8	U	99.8	160	210	ug/Kg
218-01-9	Chrysene	98.3	U	98.3	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.6	U	96.6	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99	U	99	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.3	U	92.3	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.942		18-112		54	SPK: -150
13127-88-3	Phenol-d6	84.421		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	53.712		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	54.196		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.3
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
BF138722.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.556		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	72.465		14-112		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	74116	6.846				
1146-65-2	Naphthalene-d8	316020	8.122				
15067-26-2	Acenaphthene-d10	175910	9.875				
1517-22-2	Phenanthrene-d10	306778	11.363				
1719-03-5	Chrysene-d12	146208	14.004				
1520-96-3	Perylene-d12	147624	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.7
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138723.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	410	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.7	U	50.7	100	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.9	U	94.9	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.7
Sample Wt/Vol:	30.1 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
BF138723.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.4	U	97.4	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	89.7	U	89.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93	U	93	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1658.1	U	1658.1	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	410	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	410	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	100	U	100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.2	U	99.2	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.7
Sample Wt/Vol:	30.1 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
BF138723.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.2	U	97.2	340	410	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	110	U	110	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	99.9	U	99.9	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.2	U	98.2	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	93.9	U	93.9	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.14		18-112		58	SPK: -150
13127-88-3	Phenol-d6	90.75		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	58.358		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	56.149		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-PCS-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.7
Sample Wt/Vol:	30.1 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
BF138723.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	95.122		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	76.662		14-112		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67508	6.846				
1146-65-2	Naphthalene-d8	286605	8.122				
15067-26-2	Acenaphthene-d10	166107	9.875				
1517-22-2	Phenanthrene-d10	277432	11.363				
1719-03-5	Chrysene-d12	128218	14.004				
1520-96-3	Perylene-d12	134000	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138724.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	400	ug/Kg
110-86-1	Pyridine	98	U	98	160	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	330	400	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	400	ug/Kg
95-48-7	2-Methylphenol	98.9	U	98.9	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	97.9	U	97.9	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.4	U	49.4	98.1	98.1	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	92.6	U	92.6	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	400	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138724.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.1	U	95.1	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.6	U	87.6	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	90.8	U	90.8	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	99.5	U	99.5	160	210	ug/Kg
Total PAH	Total PAH	1609.1	U	1609.1	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	98.2	U	98.2	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	97.6	U	97.6	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	96.8	U	96.8	160	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138724.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	94.8	U	94.8	330	400	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	98.5	U	98.5	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	400	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	99	U	99	160	210	ug/Kg
218-01-9	Chrysene	97.5	U	97.5	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.5	U	99.5	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.8	U	95.8	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	99.6	U	99.6	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.2	U	98.2	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91.6	U	91.6	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	90.301		18-112		60	SPK: -150
13127-88-3	Phenol-d6	94.814		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	60.975		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	59.86		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-01-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138724.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.583		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	62.622		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68414	6.845				
1146-65-2	Naphthalene-d8	297708	8.122				
15067-26-2	Acenaphthene-d10	163017	9.875				
1517-22-2	Phenanthrene-d10	255717	11.363				
1719-03-5	Chrysene-d12	126187	14.004				
1520-96-3	Perylene-d12	141594	15.468				

Report of Analysis

Client:				Date Collected:	7/23/2024 12:00:00 AM		
Project:				Date Received:	7/23/2024 12:00:00 AM		
Client Sample ID:	OU4-VSL-02-072324			SDG No.:	BF080124		
Lab Sample ID:	P3379-13			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	19.7		
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
BF138725.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	410	ug/Kg
110-86-1	Pyridine	99.2	U	99.2	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	99.1	U	99.1	340	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.1	U	50.1	99.4	99.4	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.8	U	93.8	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	340	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138725.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.3	U	96.3	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	340	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.7	U	88.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.9	U	91.9	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1635.2	U	1635.2	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	340	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	340	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	99.5	U	99.5	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	98.9	U	98.9	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	98	U	98	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138725.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	96	U	96	340	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	99.7	U	99.7	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	340	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	98.7	U	98.7	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	97	U	97	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.5	U	99.5	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.8	U	92.8	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.523		18-112		62	SPK: -150
13127-88-3	Phenol-d6	95.391		15-107		64	SPK: -150
4165-60-0	Nitrobenzene-d5	64.33		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	61.254		20-109		61	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-02-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.7
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
BF138725.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	91.23		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	61.517		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71267	6.845				
1146-65-2	Naphthalene-d8	296462	8.122				
15067-26-2	Acenaphthene-d10	162407	9.875				
1517-22-2	Phenanthrene-d10	244862	11.363				
1719-03-5	Chrysene-d12	123938	14.004				
1520-96-3	Perylene-d12	140134	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138726.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	410	ug/Kg
110-86-1	Pyridine	99.1	U	99.1	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	330	410	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	410	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	99	U	99	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50	U	50	99.2	99.2	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.7	U	93.7	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	410	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138726.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.1	U	96.1	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.6	U	88.6	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.8	U	91.8	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1634.9	U	1634.9	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
84-66-2	Diethylphthalate	99.4	U	99.4	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	98.8	U	98.8	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.9	U	97.9	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138726.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	95.9	U	95.9	330	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	99.6	U	99.6	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	410	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	100	U	100	160	210	ug/Kg
218-01-9	Chrysene	98.6	U	98.6	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.9	U	96.9	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	99.4	U	99.4	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.7	U	92.7	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	72.527		18-112		48	SPK: -150
13127-88-3	Phenol-d6	74.16		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	49.783		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	50.935		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-03-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.5
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
BF138726.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	70.734		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	47.514		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	70002	6.846				
1146-65-2	Naphthalene-d8	288831	8.122				
15067-26-2	Acenaphthene-d10	153328	9.875				
1517-22-2	Phenanthrene-d10	223270	11.363				
1719-03-5	Chrysene-d12	121858	14.004				
1520-96-3	Perylene-d12	141917	15.469				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138727.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	330	400	ug/Kg
110-86-1	Pyridine	97.9	U	97.9	160	210	ug/Kg
100-52-7	Benzaldehyde	220	U	220	330	400	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	330	400	ug/Kg
95-48-7	2-Methylphenol	98.7	U	98.7	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	97.7	U	97.7	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.4	U	49.4	98	98	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	100	U	100	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	92.5	U	92.5	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	210	ug/Kg
65-85-0	Benzoic acid	290	U	290	330	400	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138727.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.9	U	94.9	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.5	U	87.5	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	90.6	U	90.6	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	99.3	U	99.3	160	210	ug/Kg
Total PAH	Total PAH	1608.1	U	1608.1	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	98.1	U	98.1	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	210	ug/Kg
86-73-7	Fluorene	100	U	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	99.9	U	99.9	160	210	ug/Kg
103-33-3	Azobenzene	97.5	U	97.5	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	96.6	U	96.6	160	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	210	ug/Kg
1912-24-9	Atrazine	110	U	110	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138727.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	94.7	U	94.7	330	400	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	210	ug/Kg
120-12-7	Anthracene	100	U	100	160	210	ug/Kg
86-74-8	Carbazole	98.4	U	98.4	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	160	210	ug/Kg
92-87-5	Benzidine	200	U	200	330	400	ug/Kg
129-00-0	Pyrene	100	U	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	98.8	U	98.8	160	210	ug/Kg
218-01-9	Chrysene	97.4	U	97.4	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.3	U	99.3	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95.7	U	95.7	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	99.5	U	99.5	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.1	U	98.1	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91.5	U	91.5	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.336		18-112		55	SPK: -150
13127-88-3	Phenol-d6	82.332		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	55.255		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	55.162		20-109		55	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-04-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.6
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
BF138727.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	77.227		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	52.536		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63866	6.845				
1146-65-2	Naphthalene-d8	264178	8.122				
15067-26-2	Acenaphthene-d10	139546	9.875				
1517-22-2	Phenanthrene-d10	205520	11.363				
1719-03-5	Chrysene-d12	112067	14.004				
1520-96-3	Perylene-d12	131315	15.468				

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138728.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	320	400	ug/Kg
110-86-1	Pyridine	96	U	96	160	200	ug/Kg
100-52-7	Benzaldehyde	220	U	220	320	400	ug/Kg
62-53-3	Aniline	120	U	120	160	200	ug/Kg
108-95-2	Phenol	99.6	U	99.6	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	160	200	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	200	ug/Kg
100-51-6	Benzyl Alcohol	99.7	U	99.7	320	400	ug/Kg
95-48-7	2-Methylphenol	96.8	U	96.8	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	95.8	U	95.8	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.4	U	48.4	96.1	96.1	ug/Kg
67-72-1	Hexachloroethane	99.7	U	99.7	160	200	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	200	ug/Kg
78-59-1	Isophorone	100	U	100	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	100	U	100	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	90.7	U	90.7	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	160	200	ug/Kg
65-85-0	Benzoic acid	280	U	280	320	400	ug/Kg
91-20-3	Naphthalene	99.2	U	99.2	160	200	ug/Kg
106-47-8	4-Chloroaniline	99.2	U	99.2	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138728.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	100	U	100	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.1	U	93.1	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	99.1	U	99.1	160	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.7	U	85.7	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	88.9	U	88.9	160	200	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	160	200	ug/Kg
131-11-3	Dimethylphthalate	98.1	U	98.1	160	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.9	U	99.9	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	97.4	U	97.4	160	200	ug/Kg
Total PAH	Total PAH	1580.9	U	1580.9	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	290	U	290	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	100	U	100	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	99.9	U	199.9	160	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	100	U	100	160	200	ug/Kg
84-66-2	Diethylphthalate	96.2	U	96.2	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	160	200	ug/Kg
86-73-7	Fluorene	100	U	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	98	U	98	160	200	ug/Kg
103-33-3	Azobenzene	95.6	U	95.6	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	94.8	U	94.8	160	200	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138728.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	92.8	U	92.8	320	400	ug/Kg
85-01-8	Phenanthrene	100	U	100	160	200	ug/Kg
120-12-7	Anthracene	100	U	100	160	200	ug/Kg
86-74-8	Carbazole	96.4	U	96.4	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	160	200	ug/Kg
206-44-0	Fluoranthene	98.1	U	98.1	160	200	ug/Kg
92-87-5	Benzidine	200	U	200	320	400	ug/Kg
129-00-0	Pyrene	99.7	U	99.7	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	96.9	U	96.9	160	200	ug/Kg
218-01-9	Chrysene	95.5	U	95.5	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.4	U	97.4	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	99.2	U	99.2	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93.8	U	93.8	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	97.5	U	97.5	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.2	U	96.2	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	160	200	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	89.7	U	89.7	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	99.9	U	99.9	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.868		18-112		53	SPK: -150
13127-88-3	Phenol-d6	79.433		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	53.169		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	52.565		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	7/23/2024 12:00:00 AM
Project:		Date Received:	7/23/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-05-072324	SDG No.:	BF080124
Lab Sample ID:	P3379-19	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138728.D	1	7/26/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162312

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75.321		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	49.3		14-112		49	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73850	6.845				
1146-65-2	Naphthalene-d8	303811	8.122				
15067-26-2	Acenaphthene-d10	158539	9.875				
1517-22-2	Phenanthrene-d10	238846	11.363				
1719-03-5	Chrysene-d12	137144	14.004				
1520-96-3	Perylene-d12	153461	15.468				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-1	SDG No.:	BF080124
Lab Sample ID:	P3368-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138729.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.5	U	51.5	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.8	U	51.8	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.7	U	49.7	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	49.7	U	49.7	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.6	U	56.6	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.2	U	45.2	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-1	SDG No.:	BF080124
Lab Sample ID:	P3368-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138729.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.4	U	46.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.4	U	49.4	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.3	U	44.3	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	56.9	U	56.9	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.8	U	51.8	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794	U	794	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.2	U	51.2	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	50.9	U	50.9	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-1	SDG No.:	BF080124
Lab Sample ID:	P3368-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138729.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.3	U	50.3	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.7	U	49.7	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.6	U	47.6	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	590		54.5	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.7	U	55.7	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.721		18-112		54	SPK: -150
13127-88-3	Phenol-d6	90.435		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	62.746		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	68.727		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-1	SDG No.:	BF080124
Lab Sample ID:	P3368-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138729.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	73.829		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	66.726		14-112		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68335	6.845				
1146-65-2	Naphthalene-d8	281218	8.122				
15067-26-2	Acenaphthene-d10	143327	9.874				
1517-22-2	Phenanthrene-d10	199580	11.363				
1719-03-5	Chrysene-d12	115936	14.004				
1520-96-3	Perylene-d12	136943	15.468				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-2	SDG No.:	BF080124
Lab Sample ID:	P3368-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF138730.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-2	SDG No.:	BF080124
Lab Sample ID:	P3368-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF138730.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	78	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
84-66-2	Diethylphthalate	48	U	48	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	78	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-2	SDG No.:	BF080124
Lab Sample ID:	P3368-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF138730.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	78	100	ug/Kg
206-44-0	Fluoranthene	51.3	J	49	78	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	78	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	86.6	J	54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.332		18-112		53	SPK: -150
13127-88-3	Phenol-d6	89.169		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	64.29		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	69.351		20-109		69	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-2	SDG No.:	BF080124
Lab Sample ID:	P3368-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03	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
BF138730.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	65.954		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	65.037		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69909	6.845				
1146-65-2	Naphthalene-d8	281421	8.122				
15067-26-2	Acenaphthene-d10	142977	9.875				
1517-22-2	Phenanthrene-d10	201061	11.363				
1719-03-5	Chrysene-d12	121066	14.004				
1520-96-3	Perylene-d12	138736	15.468				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-3	SDG No.:	BF080124
Lab Sample ID:	P3368-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138731.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52.1	U	52.1	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	78	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	78	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	78	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	78	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.4	U	48.4	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	78	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.9	U	47.9	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	78	100	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	78	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	78	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.5	U	51.5	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	78	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.6	U	49.6	78	100	ug/Kg
106-47-8	4-Chloroaniline	49.6	U	49.6	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-3	SDG No.:	BF080124
Lab Sample ID:	P3368-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138731.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52.1	U	52.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	78	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.6	U	93.6	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	78	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	78	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	78	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	78	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	78	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	78	100	ug/Kg
83-32-9	Acenaphthene	48.7	U	48.7	78	100	ug/Kg
Total PAH	Total PAH	795.2	U	795.2	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.6	U	69.6	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	78	100	ug/Kg
84-66-2	Diethylphthalate	48.1	U	48.1	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	78	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	78	100	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.2	U	70.2	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	49	U	49	78	100	ug/Kg
103-33-3	Azobenzene	47.8	U	47.8	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	78	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	78	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	78	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-3	SDG No.:	BF080124
Lab Sample ID:	P3368-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138731.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.4	U	46.4	160	200	ug/Kg
85-01-8	Phenanthrene	88.6	J	50.4	78	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	78	100	ug/Kg
86-74-8	Carbazole	48.2	U	48.2	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.6	U	50.6	78	100	ug/Kg
206-44-0	Fluoranthene	150		49	78	100	ug/Kg
92-87-5	Benzidine	97.8	U	97.8	160	200	ug/Kg
129-00-0	Pyrene	100		49.8	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	58.1	U	58.1	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	53	J	48.4	78	100	ug/Kg
218-01-9	Chrysene	140		47.7	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	370		54.6	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.7	U	48.7	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.6	U	49.6	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.9	U	46.9	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48.1	U	48.1	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52.1	U	52.1	78	100	ug/Kg
123-91-1	1,4-Dioxane	66	U	66	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	52.1		18-112		35	SPK: -150
13127-88-3	Phenol-d6	70.721		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	60.321		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	64.748		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-3	SDG No.:	BF080124
Lab Sample ID:	P3368-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138731.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	35.544		10-110		24	SPK: -150
1718-51-0	Terphenyl-d14	58.648		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	60264	6.845				
1146-65-2	Naphthalene-d8	215521	8.128				
15067-26-2	Acenaphthene-d10	88860	9.875				
1517-22-2	Phenanthrene-d10	141890	11.363				
1719-03-5	Chrysene-d12	107334	14.039				
1520-96-3	Perylene-d12	81991	15.521				

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-4	SDG No.:	BF080124
Lab Sample ID:	P3368-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF138732.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	52	U	52	160	200	ug/Kg
110-86-1	Pyridine	47.9	U	47.9	77.9	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	160	200	ug/Kg
62-53-3	Aniline	58.1	U	58.1	77.9	100	ug/Kg
108-95-2	Phenol	49.7	U	49.7	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	50.2	U	50.2	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	50.1	U	50.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	50.7	U	50.7	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	51.6	U	51.6	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	51.9	U	51.9	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	49.8	U	49.8	160	200	ug/Kg
95-48-7	2-Methylphenol	48.3	U	48.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54.5	U	54.5	77.9	100	ug/Kg
98-86-2	Acetophenone	52.1	U	52.1	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	47.8	U	47.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	24.2	U	24.2	48	48	ug/Kg
67-72-1	Hexachloroethane	49.8	U	49.8	77.9	100	ug/Kg
98-95-3	Nitrobenzene	54.4	U	54.4	77.9	100	ug/Kg
78-59-1	Isophorone	50.7	U	50.7	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	56.7	U	56.7	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	55.9	U	55.9	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	51.4	U	51.4	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	45.3	U	45.3	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.2	U	51.2	77.9	100	ug/Kg
65-85-0	Benzoic acid	140	U	140	160	200	ug/Kg
91-20-3	Naphthalene	49.5	U	49.5	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	49.5	U	49.5	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	49.9	U	49.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-4	SDG No.:	BF080124
Lab Sample ID:	P3368-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF138732.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	52	U	52	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46.5	U	46.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	49.5	U	49.5	77.9	100	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93.5	U	93.5	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	42.8	U	42.8	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44.4	U	44.4	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	52.4	U	52.4	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	49.9	U	49.9	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	77.9	100	ug/Kg
208-96-8	Acenaphthylene	51.9	U	51.9	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	49.9	U	49.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	53.5	U	53.5	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.6	U	48.6	77.9	100	ug/Kg
Total PAH	Total PAH	794.6	U	794.6	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	160	200	ug/Kg
100-02-7	4-Nitrophenol	69.5	U	69.5	160	200	ug/Kg
132-64-9	Dibenzofuran	50.6	U	50.6	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101.6	U	101.6	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	77.9	100	ug/Kg
84-66-2	Diethylphthalate	48	U	48	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51.3	U	51.3	77.9	100	ug/Kg
86-73-7	Fluorene	51.3	U	51.3	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	64.1	U	64.1	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	70.1	U	70.1	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	48.9	U	48.9	77.9	100	ug/Kg
103-33-3	Azobenzene	47.7	U	47.7	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47.3	U	47.3	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	51	U	51	77.9	100	ug/Kg
1912-24-9	Atrazine	54.8	U	54.8	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-4	SDG No.:	BF080124
Lab Sample ID:	P3368-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF138732.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	46.3	U	46.3	160	200	ug/Kg
85-01-8	Phenanthrene	50.4	U	50.4	77.9	100	ug/Kg
120-12-7	Anthracene	50.6	U	50.6	77.9	100	ug/Kg
86-74-8	Carbazole	48.1	U	48.1	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	50.5	U	50.5	77.9	100	ug/Kg
206-44-0	Fluoranthene	49	U	49	77.9	100	ug/Kg
92-87-5	Benzidine	97.7	U	97.7	160	200	ug/Kg
129-00-0	Pyrene	49.8	U	49.8	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	58	U	58	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59.1	U	59.1	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	48.4	U	48.4	77.9	100	ug/Kg
218-01-9	Chrysene	47.7	U	47.7	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	240		54.6	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	65.9	U	65.9	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.6	U	48.6	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	49.5	U	49.5	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	55.8	U	55.8	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46.8	U	46.8	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	48.7	U	48.7	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	48	U	48	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	52	U	52	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	65.9	U	65.9	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44.8	U	44.8	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	49.9	U	49.9	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	95.427		18-112		64	SPK: -150
13127-88-3	Phenol-d6	100.206		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	70.849		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	81.522		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	CONC-4	SDG No.:	BF080124
Lab Sample ID:	P3368-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04	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
BF138732.D	1	7/29/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162320

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.632		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	64.051		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68587	6.845				
1146-65-2	Naphthalene-d8	268740	8.128				
15067-26-2	Acenaphthene-d10	118565	9.881				
1517-22-2	Phenanthrene-d10	154079	11.369				
1719-03-5	Chrysene-d12	127106	14.01				
1520-96-3	Perylene-d12	133877	15.474				

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	VNJ-222	SDG No.:	BF080124
Lab Sample ID:	P3402-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138733.D	1	7/31/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162384

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

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	VNJ-222	SDG No.:	BF080124
Lab Sample ID:	P3402-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138733.D	1	7/31/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162384

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

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	VNJ-222	SDG No.:	BF080124
Lab Sample ID:	P3402-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138733.D	1	7/31/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162384

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.571		10-139		84	SPK: -150
13127-88-3	Phenol-d6	121.413		10-134		81	SPK: -150
4165-60-0	Nitrobenzene-d5	93.363		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	96.127		52-132		96	SPK: -100

Report of Analysis

Client:		Date Collected:	7/30/2024 12:00:00 AM
Project:		Date Received:	7/30/2024 12:00:00 AM
Client Sample ID:	VNJ-222	SDG No.:	BF080124
Lab Sample ID:	P3402-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138733.D	1	7/31/2024 12:00:00 AM	8/1/2024 12:00:00 AM	PB162384

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.514		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	94.614		36-145		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67870	6.845				
1146-65-2	Naphthalene-d8	278816	8.128				
15067-26-2	Acenaphthene-d10	144829	9.88				
1517-22-2	Phenanthrene-d10	191394	11.363				
1719-03-5	Chrysene-d12	120931	14.004				
1520-96-3	Perylene-d12	130013	15.468				

Hit Summary Sheet SW-846

SDG No.: BF080124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : CONC-1								
P3368-01	CONC-1	Solid	Bis(2-ethylhexyl)phthalate	590.000		54.5	100	ug/Kg
			Total Svoc :			590.00		
			Total Concentration:			590.00		
Client ID : CONC-2								
P3368-03	CONC-2	Solid	Bis(2-ethylhexyl)phthalate	86.600	J	54.6	100	ug/Kg
P3368-03	CONC-2	Solid	Fluoranthene	51.300	J	49	100	ug/Kg
			Total Svoc :			137.90		
			Total Concentration:			137.90		
Client ID : CONC-3								
P3368-05	CONC-3	Solid	Benzo(a)anthracene	53.000	J	48.4	100	ug/Kg
P3368-05	CONC-3	Solid	Bis(2-ethylhexyl)phthalate	370.000		54.6	100	ug/Kg
P3368-05	CONC-3	Solid	Chrysene	140.000		47.7	100	ug/Kg
P3368-05	CONC-3	Solid	Fluoranthene	150.000		49	100	ug/Kg
P3368-05	CONC-3	Solid	Phenanthrene	88.600	J	50.4	100	ug/Kg
P3368-05	CONC-3	Solid	Pyrene	100.000		49.8	100	ug/Kg
			Total Svoc :			901.60		
			Total Concentration:			901.60		
Client ID : CONC-4								
P3368-07	CONC-4	Solid	Bis(2-ethylhexyl)phthalate	240.000		54.6	100	ug/Kg
			Total Svoc :			240.00		
			Total Concentration:			240.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.813	0.817	0.829	0.814	0.804	0.818	1.9
Pyridine		1.373	1.365	1.453	1.381	1.380	1.374	3.1
2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.296	6.0
Benzaldehyde		1.230	1.119	1.099	0.904	0.862	1.043	14.8
Aniline		1.656	1.626	1.704	1.532	1.487	1.551	7.5
Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.740	7.2
Phenol		2.012	1.946	1.913	1.775	1.739	1.832	6.9
bis(2-Chloroethyl)ether		1.494	1.476	1.434	1.363	1.348	1.409	4.5
2-Chlorophenol		1.471	1.418	1.443	1.325	1.308	1.363	5.9
1,2-Dichlorobenzene		1.621	1.511	1.532	1.408	1.358	1.439	8.2
1,3-Dichlorobenzene		1.687	1.609	1.608	1.475	1.445	1.526	7.1
1,4-Dichlorobenzene		1.689	1.615	1.620	1.496	1.482	1.540	6.6
Benzyl Alcohol		1.326	1.287	1.334	1.218	1.213	1.254	5.3
2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.126	4.9
2,2-oxybis(1-Chloropropane)		2.695	2.576	2.592	2.350	2.311	2.426	8.2
Acetophenone		0.538	0.510	0.508	0.482	0.457	0.490	6.1
3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.444	10.0
n-Nitroso-di-n-propylamine	1.109	1.130	1.087	1.123	0.992	0.970	1.051	6.6
Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.409	3.3
Hexachloroethane		0.619	0.614	0.598	0.568	0.554	0.580	5.3
Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.416	3.3
Isophorone		0.735	0.710	0.735	0.681	0.655	0.699	4.3
2-Nitrophenol		0.169	0.176	0.188	0.184	0.175	0.179	3.7
2,4-Dimethylphenol		0.219	0.217	0.221	0.214	0.207	0.214	2.6
bis(2-Chloroethoxy)methane		0.448	0.433	0.449	0.418	0.402	0.425	4.3
2,4-Dichlorophenol		0.279	0.276	0.293	0.276	0.264	0.275	3.6
1,2,4-Trichlorobenzene		0.344	0.324	0.329	0.316	0.304	0.318	5.0
Benzoic acid			0.136	0.158	0.166	0.166	0.168	12.7
Naphthalene		1.124	1.102	1.110	1.044	1.000	1.053	5.6
4-Chloroaniline		0.354	0.363	0.369	0.346	0.337	0.353	3.1
Hexachlorobutadiene		0.205	0.197	0.200	0.190	0.187	0.192	4.4
Caprolactam		0.078	0.084	0.088	0.078	0.076	0.082	5.6
4-Chloro-3-methylphenol		0.326	0.319	0.343	0.307	0.290	0.315	5.4
2-Methylnaphthalene		0.723	0.699	0.709	0.649	0.619	0.665	6.7
Hexachlorocyclopentadiene			0.064	0.101	0.127	0.138	0.120	27.1
2,4,6-Trichlorophenol		0.338	0.338	0.353	0.336	0.330	0.339	2.1

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.: BF073024

SAS No.: BF073024

SDG No.: BF073024

Instrument ID: _____

Calibration Date(s): 7/30/2024 : _____

Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D		RRF005 = BF138681.D		RRF010 = BF138682.D		
		RRF020 = BF138683.D		RRF040 = BF138684.D		RRF050 = BF138685.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.512	1.424	1.402	1.306	1.260	1.331	9.0
2,4,5-Trichlorophenol		0.368	0.379	0.387	0.368	0.361	0.370	2.6
1,1-Biphenyl		1.714	1.635	1.630	1.539	1.507	1.566	6.1
2-Chloronaphthalene		1.263	1.206	1.213	1.151	1.119	1.165	5.5
2-Nitroaniline		0.394	0.403	0.414	0.389	0.380	0.395	2.7
Dimethylphthalate		1.336	1.297	1.367	1.229	1.208	1.279	4.6
Acenaphthylene		1.796	1.744	1.743	1.637	1.573	1.652	6.8
2,6-Dinitrotoluene		0.286	0.288	0.304	0.288	0.277	0.289	3.6
3-Nitroaniline		0.308	0.300	0.317	0.288	0.286	0.298	4.1
Acenaphthene		1.217	1.173	1.169	1.082	1.049	1.111	6.8
2,4-Dinitrophenol			0.097	0.142	0.127	0.131	0.133	14.8
4-Nitrophenol			0.156	0.186	0.175	0.176	0.179	7.9
Dibenzofuran		1.729	1.680	1.666	1.515	1.484	1.568	7.8
2,4-Dinitrotoluene		0.377	0.376	0.402	0.362	0.342	0.368	5.4
Diethylphthalate		1.268	1.259	1.321	1.155	1.113	1.213	6.2
4-Chlorophenyl-phenylether		0.662	0.664	0.662	0.589	0.580	0.614	7.7
Fluorene		1.374	1.326	1.351	1.206	1.166	1.249	8.0
4-Nitroaniline		0.284	0.292	0.313	0.272	0.265	0.284	6.0
4,6-Dinitro-2-methylphenol			0.107	0.123	0.125	0.123	0.122	6.4
n-Nitrosodiphenylamine		0.642	0.645	0.645	0.631	0.606	0.625	3.3
Azobenzene		1.427	1.391	1.450	1.300	1.259	1.345	5.9
2,4,6-Tribromophenol		0.168	0.164	0.176	0.159	0.156	0.164	4.2
4-Bromophenyl-phenylether		0.227	0.219	0.226	0.217	0.211	0.217	3.8
Hexachlorobenzene		0.231	0.231	0.234	0.220	0.214	0.224	3.7
Atrazine		0.171	0.172	0.176	0.162	0.153	0.161	7.8
Pentachlorophenol			0.077	0.097	0.102	0.104	0.101	12.9
Phenanthrene		1.112	1.109	1.087	1.021	0.970	1.030	7.0
Anthracene		1.082	1.077	1.078	1.003	0.965	1.015	6.3
Carbazole		0.970	0.938	0.940	0.870	0.810	0.875	8.6
Di-n-butylphthalate		0.991	0.990	1.040	0.991	0.944	0.984	3.4
Fluoranthene		1.068	1.045	1.039	0.965	0.899	0.961	9.7
Benzidine		0.491	0.482	0.484	0.535	0.470	0.478	8.6
Pyrene		1.978	1.958	2.140	1.750	1.694	1.883	8.6
Terphenyl-d14		1.264	1.265	1.362	1.106	1.072	1.195	9.3
Butylbenzylphthalate		0.577	0.571	0.605	0.628	0.622	0.603	3.7
3,3-Dichlorobenzidine		0.388	0.364	0.377	0.360	0.346	0.352	8.0

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.: BF073024 SAS No.: BF073024 SDG No.: BF073024
Instrument ID: _____ Calibration Date(s): 7/30/2024 : _____
Calibration Time(s): 12:54 _____

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.438	1.410	1.395	1.351	1.377	3.5
Chrysene		1.342	1.228	1.260	1.222	1.203	1.243	3.8
Bis(2-ethylhexyl)phthalate		0.876	0.838	0.861	0.948	0.945	0.883	5.1
Di-n-octyl phthalate		1.637	1.524	1.614	1.744	1.742	1.634	5.1
Benzo(b)fluoranthene		1.287	1.361	1.287	1.229	1.181	1.240	6.2
Benzo(k)fluoranthene		1.202	1.043	1.098	1.002	1.060	1.073	6.8
Benzo(a)pyrene		1.084	1.047	1.071	1.023	1.026	1.043	2.5
Indeno(1,2,3-cd)pyrene		1.469	1.464	1.517	1.395	1.406	1.433	3.5
Dibenzo(a,h)anthracene		1.226	1.231	1.253	1.134	1.140	1.177	4.9
Benzo(g,h,i)perylene		1.261	1.234	1.289	1.199	1.196	1.221	3.5
1,2,4,5-Tetrachlorobenzene		0.606	0.560	0.581	0.550	0.542	0.556	5.5
1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.567	3.2
2,3,4,6-Tetrachlorophenol		0.270	0.279	0.297	0.274	0.280	0.283	4.0
1-Methylnaphthalene		0.713	0.685	0.692	0.636	0.606	0.652	6.9

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.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 10:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	72528	6.845	281315	8.13	146962	9.88
	UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
	LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
	EPA SAMPLE NO.						
01	PB162312BL	85885	6.85	354172	8.12	204077	9.88
02	PB162312BS	87490	6.85	359981	8.13	201530	9.89
03	OU4-PCS-01-072324	64959	6.85	267825	8.13	154361	9.88
04	OU4-PCS-01-072324MS	70988	6.85	290366	8.13	158262	9.88
05	OU4-PCS-01-072324MSD	73016	6.85	308457	8.13	168182	9.88
06	OU4-PCS-02-072324	66668	6.85	275852	8.12	157049	9.88
07	OU4-PCS-03-072324	67765	6.85	288171	8.12	163668	9.88
08	OU4-PCS-04-072324	74116	6.85	316020	8.12	175910	9.88
09	OU4-PCS-05-072324	67508	6.85	286605	8.12	166107	9.88
10	OU4-VSL-01-072324	68414	6.85	297708	8.12	163017	9.88
11	OU4-VSL-02-072324	71267	6.85	296462	8.12	162407	9.88
12	OU4-VSL-03-072324	70002	6.85	288831	8.12	153328	9.88
13	OU4-VSL-04-072324	63866	6.85	264178	8.12	139546	9.88
14	OU4-VSL-05-072324	73850	6.85	303811	8.12	158539	9.88
15	CONC-1	68335	6.85	281218	8.12	143327	9.87
16	CONC-2	69909	6.85	281421	8.12	142977	9.88
17	CONC-3	60264	6.85	215521	8.13	88860	9.88
18	CONC-4	68587	6.85	268740	8.13	118565	9.88
19	VNJ-222	67870	6.85	278816	8.13	144829	9.88

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 19:38

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	72528	6.845	281315	8.13	146962	9.88
UPPER LIMIT	145056	7.345	562630	8.628	293924	10.38
LOWER LIMIT	36264	6.345	140657.5	7.628	73481	9.38
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138714.D Time Analyzed: 10:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	82237	6.845	332223	8.13	178922	9.89
	UPPER LIMIT	164474	7.345	664446	8.628	357844	10.386
	LOWER LIMIT	41118.5	6.345	166111.5	7.628	89461	9.386
	EPA SAMPLE NO.						
01	PB162312BL	85885	6.85	354172	8.12	204077	9.88
02	PB162312BS	87490	6.85	359981	8.13	201530	9.89
03	OU4-PCS-01-072324	64959	6.85	267825	8.13	154361	9.88
04	OU4-PCS-01-072324MS	70988	6.85	290366	8.13	158262	9.88
05	OU4-PCS-01-072324MSD	73016	6.85	308457	8.13	168182	9.88
06	OU4-PCS-02-072324	66668	6.85	275852	8.12	157049	9.88
07	OU4-PCS-03-072324	67765	6.85	288171	8.12	163668	9.88
08	OU4-PCS-04-072324	74116	6.85	316020	8.12	175910	9.88
09	OU4-PCS-05-072324	67508	6.85	286605	8.12	166107	9.88
10	OU4-VSL-01-072324	68414	6.85	297708	8.12	163017	9.88
11	OU4-VSL-02-072324	71267	6.85	296462	8.12	162407	9.88
12	OU4-VSL-03-072324	70002	6.85	288831	8.12	153328	9.88
13	OU4-VSL-04-072324	63866	6.85	264178	8.12	139546	9.88
14	OU4-VSL-05-072324	73850	6.85	303811	8.12	158539	9.88
15	CONC-1	68335	6.85	281218	8.12	143327	9.87
16	CONC-2	69909	6.85	281421	8.12	142977	9.88
17	CONC-3	60264	6.85	215521	8.13	88860 *	9.88
18	CONC-4	68587	6.85	268740	8.13	118565	9.88
19	VNJ-222	67870	6.85	278816	8.13	144829	9.88

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138714.D Time Analyzed: 19:38

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	82237	6.845	332223	8.13	178922	9.89
UPPER LIMIT	164474	7.345	664446	8.628	357844	10.386
LOWER LIMIT	41118.5	6.345	166111.5	7.628	89461	9.386
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 10:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	227513	11.369	125928	14.004	151531	15.468
	UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
	LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
	EPA SAMPLE NO.						
01	PB162312BL	383519	11.37	248519	14.00	171941	15.47
02	PB162312BS	342771	11.37	167107	14.01	160644	15.47
03	OU4-PCS-01-072324	273050	11.37	146559	14.00	128853	15.47
04	OU4-PCS-01-072324MS	255483	11.37	123517	14.01	143745	15.47
05	OU4-PCS-01-072324MSD	264941	11.37	125742	14.01	145392	15.47
06	OU4-PCS-02-072324	270380	11.36	129760	14.00	128780	15.47
07	OU4-PCS-03-072324	281615	11.36	134004	14.00	133387	15.47
08	OU4-PCS-04-072324	306778	11.36	146208	14.00	147624	15.47
09	OU4-PCS-05-072324	277432	11.36	128218	14.00	134000	15.47
10	OU4-VSL-01-072324	255717	11.36	126187	14.00	141594	15.47
11	OU4-VSL-02-072324	244862	11.36	123938	14.00	140134	15.47
12	OU4-VSL-03-072324	223270	11.36	121858	14.00	141917	15.47
13	OU4-VSL-04-072324	205520	11.36	112067	14.00	131315	15.47
14	OU4-VSL-05-072324	238846	11.36	137144	14.00	153461	15.47
15	CONC-1	199580	11.36	115936	14.00	136943	15.47
16	CONC-2	201061	11.36	121066	14.00	138736	15.47
17	CONC-3	141890	11.36	107334	14.04	81991	15.52
18	CONC-4	154079	11.37	127106	14.01	133877	15.47
19	VNJ-222	191394	11.36	120931	14.00	130013	15.47

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138684.D Time Analyzed: 19:38

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	227513	11.369	125928	14.004	151531	15.468
UPPER LIMIT	455026	11.869	251856	14.504	303062	15.968
LOWER LIMIT	113756.5	10.869	62964	13.504	75765.5	14.968
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138714.D Time Analyzed: 10:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	307201	11.369	143132	14.01	139340	15.468
	UPPER LIMIT	614402	11.869	286264	14.51	278680	15.968
	LOWER LIMIT	153600.5	10.869	71566	13.51	69670	14.968
	EPA SAMPLE NO.						
01	PB162312BL	383519	11.37	248519	14.00	171941	15.47
02	PB162312BS	342771	11.37	167107	14.01	160644	15.47
03	OU4-PCS-01-072324	273050	11.37	146559	14.00	128853	15.47
04	OU4-PCS-01-072324MS	255483	11.37	123517	14.01	143745	15.47
05	OU4-PCS-01-072324MSD	264941	11.37	125742	14.01	145392	15.47
06	OU4-PCS-02-072324	270380	11.36	129760	14.00	128780	15.47
07	OU4-PCS-03-072324	281615	11.36	134004	14.00	133387	15.47
08	OU4-PCS-04-072324	306778	11.36	146208	14.00	147624	15.47
09	OU4-PCS-05-072324	277432	11.36	128218	14.00	134000	15.47
10	OU4-VSL-01-072324	255717	11.36	126187	14.00	141594	15.47
11	OU4-VSL-02-072324	244862	11.36	123938	14.00	140134	15.47
12	OU4-VSL-03-072324	223270	11.36	121858	14.00	141917	15.47
13	OU4-VSL-04-072324	205520	11.36	112067	14.00	131315	15.47
14	OU4-VSL-05-072324	238846	11.36	137144	14.00	153461	15.47
15	CONC-1	199580	11.36	115936	14.00	136943	15.47
16	CONC-2	201061	11.36	121066	14.00	138736	15.47
17	CONC-3	141890 *	11.36	107334	14.04	81991	15.52
18	CONC-4	154079	11.37	127106	14.01	133877	15.47
19	VNJ-222	191394	11.36	120931	14.00	130013	15.47

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080124 SAS No.: BF080124 SDG NO.: BF080124

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 1 2024 12:00AM

Lab File ID: BF138714.D Time Analyzed: 19:38

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	307201	11.369	143132	14.01	139340	15.468
UPPER LIMIT	614402	11.869	286264	14.51	278680	15.968
LOWER LIMIT	153600.5	10.869	71566	13.51	69670	14.968
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080124**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162312BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	2100	ug/Kg	124				10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	950	ug/Kg	56				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	4100	ug/Kg	124				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1300	ug/Kg	76				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	1000	ug/Kg	59				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	24400	ug/Kg	90				57	104	
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF080124**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162312BS	4-Nitrophenol	3300	3100	ug/Kg	94				48	119		
	Dibenzofuran	1700	1500	ug/Kg	88				63	99		
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98		
	Fluorene	1700	1500	ug/Kg	88				61	101		
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1700	ug/Kg	100				67	113		
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1500	ug/Kg	88				61	99		
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104		
	Fluoranthene	1700	1500	ug/Kg	88				57	107		
	Benzidine	3300	740	ug/Kg	22				10	98		
	Pyrene	1700	1600	ug/Kg	94				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91		
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1300	ug/Kg	76				63	111		
	Di-n-octyl phthalate	1700	1300	ug/Kg	76				70	108		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1300	ug/Kg	76				53	101		
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162312BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080124

SAS No.: BF080124 SDG NO.: BF080124

Lab File ID: BF138715.D

Lab Sample ID: PB162312BL

Instrument ID: BNA_F

Date Extracted: 07/26/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/01/2024

Level: (low/med) LOW

Time Analyzed: 10:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162312BS	PB162312BS	BF138716.D	08/01/2024
OU4-PCS-01-072324	P3379-01	BF138717.D	08/01/2024
OU4-PCS-01-072324MS	P3379-01MS	BF138718.D	08/01/2024
OU4-PCS-01-072324MSD	P3379-01MSD	BF138719.D	08/01/2024
OU4-PCS-02-072324	P3379-03	BF138720.D	08/01/2024
OU4-PCS-03-072324	P3379-05	BF138721.D	08/01/2024
OU4-PCS-04-072324	P3379-07	BF138722.D	08/01/2024
OU4-PCS-05-072324	P3379-09	BF138723.D	08/01/2024
OU4-VSL-01-072324	P3379-11	BF138724.D	08/01/2024
OU4-VSL-02-072324	P3379-13	BF138725.D	08/01/2024
OU4-VSL-03-072324	P3379-15	BF138726.D	08/01/2024
OU4-VSL-04-072324	P3379-17	BF138727.D	08/01/2024
OU4-VSL-05-072324	P3379-19	BF138728.D	08/01/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

CONC-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080124

SAS No.: BF080124 SDG NO.: BF080124

Lab File ID: BF138729.D

Lab Sample ID: P3368-01

Instrument ID: BNA_F

Date Extracted: 07/29/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/01/2024

Level: (low/med) LOW

Time Analyzed: 17:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
CONC-1	P3368-01	BF138729.D	08/01/2024
CONC-2	P3368-03	BF138730.D	08/01/2024
CONC-3	P3368-05	BF138731.D	08/01/2024
CONC-4	P3368-07	BF138732.D	08/01/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ-222

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080124

SAS No.: BF080124 SDG NO.: BF080124

Lab File ID: BF138733.D

Lab Sample ID: P3402-02

Instrument ID: BNA_F

Date Extracted: 07/31/2024

Matrix: (soil/water) water

Date Analyzed: 08/01/2024

Level: (low/med) LOW

Time Analyzed: 19:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ-222	P3402-02	BF138733.D	08/01/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080124

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3379-01MS		Client Sample ID: OU4-PCS-01-072324MS		DataFile: BF138718.D							
n-Nitrosodimethylamine	2100		2100	ug/Kg	100				66	124	
Pyridine	2100		1700	ug/Kg	81				45	119	
Benzaldehyde	2100		0	ug/Kg	0	*			26	163	
Aniline	2100		1800	ug/Kg	86				10	88	
Phenol	2100		2100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	2100		2000	ug/Kg	95				74	116	
2-Chlorophenol	2100		2200	ug/Kg	105				61	138	
1,2-Dichlorobenzene	2100		2000	ug/Kg	95				61	105	
1,3-Dichlorobenzene	2100		1900	ug/Kg	90				62	101	
1,4-Dichlorobenzene	2100		2000	ug/Kg	95				63	104	
Benzyl Alcohol	2100		2200	ug/Kg	105				47	126	
2-Methylphenol	2100		2100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	2100		2100	ug/Kg	100				52	115	
Acetophenone	2100		1900	ug/Kg	90				75	111	
3+4-Methylphenols	2100		2100	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	2100		2200	ug/Kg	105				59	119	
Hexachloroethane	2100		2000	ug/Kg	95				65	117	
Nitrobenzene	2100		1900	ug/Kg	90				70	119	
Isophorone	2100		2200	ug/Kg	105				76	122	
2-Nitrophenol	2100		2200	ug/Kg	105				54	145	
2,4-Dimethylphenol	2100		2300	ug/Kg	110				83	144	
bis(2-Chloroethoxy)methane	2100		2100	ug/Kg	100				68	112	
2,4-Dichlorophenol	2100		2100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	2100		2000	ug/Kg	95				57	103	
Benzoic acid	2100		1900	ug/Kg	90				50	104	
Naphthalene	2100		2000	ug/Kg	95				72	110	
4-Chloroaniline	2100		1100	ug/Kg	52				10	100	
Hexachlorobutadiene	2100		2000	ug/Kg	95				66	114	
Caprolactam	2100		2200	ug/Kg	105				51	134	
4-Chloro-3-methylphenol	2100		2200	ug/Kg	105				57	132	
2-Methylnaphthalene	2100		2100	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	4100		6200	ug/Kg	151				10	175	
2,4,6-Trichlorophenol	2100		2100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	2100		2100	ug/Kg	100				72	117	
1,1-Biphenyl	2100		1900	ug/Kg	90				75	113	
2-Chloronaphthalene	2100		2000	ug/Kg	95				67	118	
2-Nitroaniline	2100		2100	ug/Kg	100				69	127	
Dimethylphthalate	2100		2300	ug/Kg	110				70	113	
Acenaphthylene	2100		2200	ug/Kg	105				79	118	
2,6-Dinitrotoluene	2100		2100	ug/Kg	100				70	125	
3-Nitroaniline	2100		1300	ug/Kg	62				20	111	
Acenaphthene	2100		2000	ug/Kg	95				70	121	
Total PAH	33600		34100	ug/Kg	101				70	121	
2,4-Dinitrophenol	4100		4500	ug/Kg	110				16	160	
4-Nitrophenol	4100		4100	ug/Kg	100				45	133	
Dibenzofuran	2100		2100	ug/Kg	100				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080124

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2100		2200	ug/Kg	105				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	4200		4300	ug/Kg	102				55	128	
Diethylphthalate	2100		2300	ug/Kg	110				70	112	
4-Chlorophenyl-phenylether	2100		2200	ug/Kg	105				71	108	
Fluorene	2100		2100	ug/Kg	100				68	116	
4-Nitroaniline	2100		2000	ug/Kg	95				55	120	
4,6-Dinitro-2-methylphenol	2100		2300	ug/Kg	110				32	145	
N-Nitrosodiphenylamine	2100		2200	ug/Kg	105				73	118	
Azobenzene	2100		2200	ug/Kg	105				73	110	
4-Bromophenyl-phenylether	2100		2200	ug/Kg	105				65	121	
Hexachlorobenzene	2100		2200	ug/Kg	105				67	118	
Atrazine	2100		2600	ug/Kg	124				79	127	
Pentachlorophenol	4100		4100	ug/Kg	100				47	128	
Phenanthrene	2100		2200	ug/Kg	105				72	113	
Anthracene	2100		2200	ug/Kg	105				62	124	
Carbazole	2100		2000	ug/Kg	95				59	119	
Di-n-butylphthalate	2100		2500	ug/Kg	119	*			69	118	
Fluoranthene	2100		2000	ug/Kg	95				59	125	
Benzydine	4100		2100	ug/Kg	51				10	119	
Pyrene	2100		2100	ug/Kg	100				52	128	
Butylbenzylphthalate	2100		2600	ug/Kg	124				64	126	
3,3-Dichlorobenzidine	2100		2000	ug/Kg	95				10	164	
Benzo(a)anthracene	2100		2200	ug/Kg	105				71	114	
Chrysene	2100		2300	ug/Kg	110				57	121	
bis(2-Ethylhexyl)phthalate	2100		2600	ug/Kg	124				66	127	
Di-n-octyl phthalate	2100		2300	ug/Kg	110				71	126	
Benzo(b)fluoranthene	2100		2200	ug/Kg	105				67	121	
Benzo(k)fluoranthene	2100		2100	ug/Kg	100				74	114	
Benzo(a)pyrene	2100		2300	ug/Kg	110				70	142	
Indeno(1,2,3-cd)pyrene	2100		2100	ug/Kg	100				61	125	
Dibenz(a,h)anthracene	2100		2100	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	2100		2000	ug/Kg	95				53	140	
1,2,4,5-Tetrachlorobenzene	2100		1900	ug/Kg	90				69	124	
1,4-Dioxane	2100		1600	ug/Kg	76				46	112	
2,3,4,6-Tetrachlorophenol	2100		2200	ug/Kg	105				56	133	
1-Methylnaphthalene	2100		2000	ug/Kg	95				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080124

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P3379-01MSD		Client Sample ID: OU4-PCS-01-072324MSD		DataFile: BF138719.D							
n-Nitrosodimethylamine	2100		1900	ug/Kg	90		11		66	124	20
Pyridine	2100		1600	ug/Kg	76		6		45	119	20
Benzaldehyde	2100		0	ug/Kg	0	*			26	163	20
Aniline	2100		1700	ug/Kg	81		6		10	88	20
Phenol	2100		1900	ug/Kg	90		11		67	126	20
bis(2-Chloroethyl)ether	2100		1900	ug/Kg	90		5		74	116	20
2-Chlorophenol	2100		2000	ug/Kg	95		10		61	138	20
1,2-Dichlorobenzene	2100		1900	ug/Kg	90		5		61	105	20
1,3-Dichlorobenzene	2100		1800	ug/Kg	86		5		62	101	20
1,4-Dichlorobenzene	2100		1800	ug/Kg	86		10		63	104	20
Benzyl Alcohol	2100		2100	ug/Kg	100		5		47	126	20
2-Methylphenol	2100		2000	ug/Kg	95		5		66	122	20
2,2-oxybis(1-Chloropropane)	2100		1900	ug/Kg	90		11		52	115	20
Acetophenone	2100		1700	ug/Kg	81		11		75	111	20
3+4-Methylphenols	2100		1900	ug/Kg	90		11		53	132	20
N-Nitroso-di-n-propylamine	2100		2000	ug/Kg	95		10		59	119	20
Hexachloroethane	2100		1900	ug/Kg	90		5		65	117	20
Nitrobenzene	2100		1800	ug/Kg	86		5		70	119	20
Isophorone	2100		1900	ug/Kg	90		15		76	122	20
2-Nitrophenol	2100		2000	ug/Kg	95		10		54	145	20
2,4-Dimethylphenol	2100		2100	ug/Kg	100		10		83	144	20
bis(2-Chloroethoxy)methane	2100		1900	ug/Kg	90		11		68	112	20
2,4-Dichlorophenol	2100		1900	ug/Kg	90		11		72	118	20
1,2,4-Trichlorobenzene	2100		1800	ug/Kg	86		10		57	103	20
Benzoic acid	2100		1600	ug/Kg	76		17		50	104	20
Naphthalene	2100		1800	ug/Kg	86		10		72	110	20
4-Chloroaniline	2100		900	ug/Kg	43		19		10	100	20
Hexachlorobutadiene	2100		1800	ug/Kg	86		10		66	114	20
Caprolactam	2100		1900	ug/Kg	90		15		51	134	20
4-Chloro-3-methylphenol	2100		2000	ug/Kg	95		10		57	132	20
2-Methylnaphthalene	2100		1900	ug/Kg	90		11		59	123	20
Hexachlorocyclopentadiene	4100		5500	ug/Kg	134		12		10	175	20
2,4,6-Trichlorophenol	2100		1900	ug/Kg	90		11		72	117	20
2,4,5-Trichlorophenol	2100		1900	ug/Kg	90		11		72	117	20
1,1-Biphenyl	2100		1700	ug/Kg	81		11		75	113	20
2-Chloronaphthalene	2100		1800	ug/Kg	86		10		67	118	20
2-Nitroaniline	2100		1900	ug/Kg	90		11		69	127	20
Dimethylphthalate	2100		2000	ug/Kg	95		15		70	113	20
Acenaphthylene	2100		2100	ug/Kg	100		5		79	118	20
2,6-Dinitrotoluene	2100		1900	ug/Kg	90		11		70	125	20
3-Nitroaniline	2100		1200	ug/Kg	57		8		20	111	20
Acenaphthene	2100		1800	ug/Kg	86		10		70	121	20
Total PAH	33600		31100	ug/Kg	93		8		70	121	20
2,4-Dinitrophenol	4100		4000	ug/Kg	98		12		16	160	20
4-Nitrophenol	4100		3700	ug/Kg	90		11		45	133	20
Dibenzofuran	2100		1900	ug/Kg	90		11		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF080124

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	2100		1900	ug/Kg	90		15		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	4200		3800	ug/Kg	90		13		55	128	20
Diethylphthalate	2100		2100	ug/Kg	100		10		70	112	20
4-Chlorophenyl-phenylether	2100		1900	ug/Kg	90		15		71	108	20
Fluorene	2100		1900	ug/Kg	90		11		68	116	20
4-Nitroaniline	2100		1800	ug/Kg	86		10		55	120	20
4,6-Dinitro-2-methylphenol	2100		2100	ug/Kg	100		10		32	145	20
N-Nitrosodiphenylamine	2100		2100	ug/Kg	100		5		73	118	20
Azobenzene	2100		2000	ug/Kg	95		10		73	110	20
4-Bromophenyl-phenylether	2100		2000	ug/Kg	95		10		65	121	20
Hexachlorobenzene	2100		2000	ug/Kg	95		10		67	118	20
Atrazine	2100		2300	ug/Kg	110		12		79	127	20
Pentachlorophenol	4100		3700	ug/Kg	90		11		47	128	20
Phenanthrene	2100		2000	ug/Kg	95		10		72	113	20
Anthracene	2100		2000	ug/Kg	95		10		62	124	20
Carbazole	2100		1800	ug/Kg	86		10		59	119	20
Di-n-butylphthalate	2100		2300	ug/Kg	110		8		69	118	20
Fluoranthene	2100		1800	ug/Kg	86		10		59	125	20
Benzydine	4100		1900	ug/Kg	46		10		10	119	20
Pyrene	2100		1800	ug/Kg	86		15		52	128	20
Butylbenzylphthalate	2100		2400	ug/Kg	114		8		64	126	20
3,3-Dichlorobenzidine	2100		1900	ug/Kg	90		5		10	164	20
Benzo(a)anthracene	2100		2000	ug/Kg	95		10		71	114	20
Chrysene	2100		2000	ug/Kg	95		15		57	121	20
bis(2-Ethylhexyl)phthalate	2100		2400	ug/Kg	114		8		66	127	20
Di-n-octyl phthalate	2100		2100	ug/Kg	100		10		71	126	20
Benzo(b)fluoranthene	2100		2100	ug/Kg	100		5		67	121	20
Benzo(k)fluoranthene	2100		1900	ug/Kg	90		11		74	114	20
Benzo(a)pyrene	2100		2100	ug/Kg	100		10		70	142	20
Indeno(1,2,3-cd)pyrene	2100		2000	ug/Kg	95		5		61	125	20
Dibenz(a,h)anthracene	2100		2000	ug/Kg	95		5		67	130	20
Benzo(g,h,i)perylene	2100		1800	ug/Kg	86		10		53	140	20
1,2,4,5-Tetrachlorobenzene	2100		1700	ug/Kg	81		11		69	124	20
1,4-Dioxane	2100		1400	ug/Kg	67		13		46	112	20
2,3,4,6-Tetrachlorophenol	2100		1900	ug/Kg	90		15		56	133	20
1-Methylnaphthalene	2100		1800	ug/Kg	86		10		70	130	20

Surrogate Summary

SW-846

SDG No.: **BF080124**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3379-01	OU4-PCS-01-07232BF138717.D		2-Fluorophenol	150	92.81	62		18	112
			Phenol-d6	150	95.14	63		15	107
			Nitrobenzene-d5	100	63.45	63		18	107
			2-Fluorobiphenyl	100	61.16	61		20	109
			2,4,6-Tribromophenol	150	109.50	73		10	110
			Terphenyl-d14	100	79.52	80		14	112
P3379-01MS	OU4-PCS-01-07232BF138718.D		2-Fluorophenol	150	100.64	67		18	112
			Phenol-d6	150	101.55	68		15	107
			Nitrobenzene-d5	100	69.83	70		18	107
			2-Fluorobiphenyl	100	68.67	69		20	109
			2,4,6-Tribromophenol	150	113.48	76		10	110
			Terphenyl-d14	100	82.53	83		14	112
P3379-01MSD	OU4-PCS-01-07232BF138719.D		2-Fluorophenol	150	93.51	62		18	112
			Phenol-d6	150	94.38	63		15	107
			Nitrobenzene-d5	100	62.14	62		18	107
			2-Fluorobiphenyl	100	61.68	62		20	109
			2,4,6-Tribromophenol	150	101.56	68		10	110
			Terphenyl-d14	100	76.02	76		14	112
P3379-03	OU4-PCS-02-07232BF138720.D		2-Fluorophenol	150	43.07	29		18	112
			Phenol-d6	150	49.47	33		15	107
			Nitrobenzene-d5	100	32.15	32		18	107
			2-Fluorobiphenyl	100	39.22	39		20	109
			2,4,6-Tribromophenol	150	105.15	70		10	110
			Terphenyl-d14	100	80.64	81		14	112
P3379-05	OU4-PCS-03-07232BF138721.D		2-Fluorophenol	150	83.02	55		18	112
			Phenol-d6	150	85.59	57		15	107
			Nitrobenzene-d5	100	55.28	55		18	107
			2-Fluorobiphenyl	100	55.33	55		20	109
			2,4,6-Tribromophenol	150	89.21	59		10	110
			Terphenyl-d14	100	72.78	73		14	112
P3379-07	OU4-PCS-04-07232BF138722.D		2-Fluorophenol	150	80.94	54		18	112
			Phenol-d6	150	84.42	56		15	107
			Nitrobenzene-d5	100	53.71	54		18	107
			2-Fluorobiphenyl	100	54.20	54		20	109
			2,4,6-Tribromophenol	150	91.56	61		10	110
			Terphenyl-d14	100	72.47	72		14	112
P3379-09	OU4-PCS-05-07232BF138723.D		2-Fluorophenol	150	87.14	58		18	112
			Phenol-d6	150	90.75	61		15	107
			Nitrobenzene-d5	100	58.36	58		18	107
			2-Fluorobiphenyl	100	56.15	56		20	109
			2,4,6-Tribromophenol	150	95.12	63		10	110
			Terphenyl-d14	100	76.66	77		14	112
P3379-11	OU4-VSL-01-0723:BF138724.D		2-Fluorophenol	150	90.30	60		18	112
			Phenol-d6	150	94.81	63		15	107
			Nitrobenzene-d5	100	60.98	61		18	107
			2-Fluorobiphenyl	100	59.86	60		20	109
			2,4,6-Tribromophenol	150	89.58	60		10	110
			Terphenyl-d14	100	62.62	63		14	112
P3379-13	OU4-VSL-02-0723:BF138725.D		2-Fluorophenol	150	93.52	62		18	112

Surrogate Summary

SW-846

SDG No.: **BF080124**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3379-13	OU4-VSL-02-0723:BF138725.D		Phenol-d6	150	95.39	64		15	107
			Nitrobenzene-d5	100	64.33	64		18	107
			2-Fluorobiphenyl	100	61.25	61		20	109
			2,4,6-Tribromophenol	150	91.23	61		10	110
			Terphenyl-d14	100	61.52	62		14	112
P3379-15	OU4-VSL-03-0723:BF138726.D		2-Fluorophenol	150	72.53	48		18	112
			Phenol-d6	150	74.16	49		15	107
			Nitrobenzene-d5	100	49.78	50		18	107
			2-Fluorobiphenyl	100	50.94	51		20	109
			2,4,6-Tribromophenol	150	70.73	47		10	110
P3379-17	OU4-VSL-04-0723:BF138727.D		Terphenyl-d14	100	47.51	48		14	112
			2-Fluorophenol	150	82.34	55		18	112
			Phenol-d6	150	82.33	55		15	107
			Nitrobenzene-d5	100	55.26	55		18	107
			2-Fluorobiphenyl	100	55.16	55		20	109
P3379-19	OU4-VSL-05-0723:BF138728.D		2,4,6-Tribromophenol	150	77.23	51		10	110
			Terphenyl-d14	100	52.54	53		14	112
			2-Fluorophenol	150	79.87	53		18	112
			Phenol-d6	150	79.43	53		15	107
			Nitrobenzene-d5	100	53.17	53		18	107
PB162312BL	PB162312BL	BF138715.D	2-Fluorobiphenyl	100	52.57	53		20	109
			2,4,6-Tribromophenol	150	75.32	50		10	110
			Terphenyl-d14	100	49.30	49		14	112
			2-Fluorophenol	150	134.89	90		18	112
			Phenol-d6	150	136.25	91		15	107
PB162312BS	PB162312BS	BF138716.D	Nitrobenzene-d5	100	91.06	91		18	107
			2-Fluorobiphenyl	100	85.78	86		20	109
			2,4,6-Tribromophenol	150	152.06	101		10	110
			Terphenyl-d14	100	92.86	93		14	112
			2-Fluorophenol	150	123.73	82		18	112
			Phenol-d6	150	121.98	81		15	107
			Nitrobenzene-d5	100	83.10	83		18	107
			2-Fluorobiphenyl	100	79.93	80		20	109
			2,4,6-Tribromophenol	150	133.72	89		10	110
			Terphenyl-d14	100	101.88	102		14	112

Surrogate Summary

SW-846

SDG No.: **BF080124**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3368-01	CONC-1	BF138729.D	2-Fluorophenol	150	80.72	54		18	112
			Phenol-d6	150	90.44	60		15	107
			Nitrobenzene-d5	100	62.75	63		18	107
			2-Fluorobiphenyl	100	68.73	69		20	109
			2,4,6-Tribromophenol	150	73.83	49		10	110
			Terphenyl-d14	100	66.73	67		14	112
P3368-03	CONC-2	BF138730.D	2-Fluorophenol	150	79.33	53		18	112
			Phenol-d6	150	89.17	59		15	107
			Nitrobenzene-d5	100	64.29	64		18	107
			2-Fluorobiphenyl	100	69.35	69		20	109
			2,4,6-Tribromophenol	150	65.95	44		10	110
			Terphenyl-d14	100	65.04	65		14	112
P3368-05	CONC-3	BF138731.D	2-Fluorophenol	150	52.10	35		18	112
			Phenol-d6	150	70.72	47		15	107
			Nitrobenzene-d5	100	60.32	60		18	107
			2-Fluorobiphenyl	100	64.75	65		20	109
			2,4,6-Tribromophenol	150	35.54	24		10	110
			Terphenyl-d14	100	58.65	59		14	112
P3368-07	CONC-4	BF138732.D	2-Fluorophenol	150	95.43	64		18	112
			Phenol-d6	150	100.21	67		15	107
			Nitrobenzene-d5	100	70.85	71		18	107
			2-Fluorobiphenyl	100	81.52	82		20	109
			2,4,6-Tribromophenol	150	71.63	48		10	110
			Terphenyl-d14	100	64.05	64		14	112

Surrogate Summary

SW-846

SDG No.: **BF080124**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3402-02	VNJ-222	BF138733.D	2-Fluorophenol	150	125.57	84		10	139
			Phenol-d6	150	121.41	81		10	134
			Nitrobenzene-d5	100	93.36	93		49	133
			2-Fluorobiphenyl	100	96.13	96		52	132
			2,4,6-Tribromophenol	150	131.51	88		32	145
			Terphenyl-d14	100	94.61	95		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF080124

Lab Code: CHEM

SAS No.: BF080124 SDG NO.: BF080124

Lab File ID: BF138713.D

DFTPP Injection Date: 08/01/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	40.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	14.4 (18.1) 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	BF138714.D	08/01/2024	09:43
PB162312BL	PB162312BL	BF138715.D	08/01/2024	10:14
PB162312BS	PB162312BS	BF138716.D	08/01/2024	10:45
OU4-PCS-01-072324	P3379-01	BF138717.D	08/01/2024	11:19
OU4-PCS-01-072324MS	P3379-01MS	BF138718.D	08/01/2024	11:49
OU4-PCS-01-072324MSD	P3379-01MSD	BF138719.D	08/01/2024	12:20
OU4-PCS-02-072324	P3379-03	BF138720.D	08/01/2024	12:51
OU4-PCS-03-072324	P3379-05	BF138721.D	08/01/2024	13:21
OU4-PCS-04-072324	P3379-07	BF138722.D	08/01/2024	13:53
OU4-PCS-05-072324	P3379-09	BF138723.D	08/01/2024	14:23
OU4-VSL-01-072324	P3379-11	BF138724.D	08/01/2024	14:54
OU4-VSL-02-072324	P3379-13	BF138725.D	08/01/2024	15:25
OU4-VSL-03-072324	P3379-15	BF138726.D	08/01/2024	15:57
OU4-VSL-04-072324	P3379-17	BF138727.D	08/01/2024	16:29
OU4-VSL-05-072324	P3379-19	BF138728.D	08/01/2024	17:00
CONC-1	P3368-01	BF138729.D	08/01/2024	17:32
CONC-2	P3368-03	BF138730.D	08/01/2024	18:03
CONC-3	P3368-05	BF138731.D	08/01/2024	18:35

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF080124

Lab Code: CHEM

SAS No.: BF080124

SDG NO.: BF080124

Lab File ID: BF138713.D

DFTPP Injection Date: 08/01/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.4
68	Less than 2.0% of mass 69	0.8 (1.9) 1
69	Mass 69 relative abundance	40.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	14.4 (18.1) 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
CONC-4	P3368-07	BF138732.D	08/01/2024	19:07
VNJ-222	P3402-02	BF138733.D	08/01/2024	19:38
SSTDCCC040EC	SSTDCCC040	BF138734.D	08/01/2024	20:10