

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG No.: BF122024

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 : 11:15

Lab File ID: BF140942.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	0.611	0.543		-11.129	
Pyridine	1.212	1.180		-2.64	
2-Fluorophenol	1.215	1.104		-9.136	
Benzaldehyde	0.892	0.796		-10.762	
Aniline	1.376	1.285		-6.613	
Phenol-d6	1.609	1.494		-7.147	
Phenol	1.668	1.561		-6.415	20.0
bis(2-Chloroethyl)ether	1.244	1.156		-7.074	
2-Chlorophenol	1.325	1.292		-2.491	
1,2-Dichlorobenzene	1.446	1.394		-3.596	
1,3-Dichlorobenzene	1.510	1.475		-2.318	
1,4-Dichlorobenzene	1.532	1.470		-4.047	20.0
Benzyl Alcohol	1.151	1.079		-6.255	
2-Methylphenol	1.058	1.007		-4.82	
2,2-oxybis(1-Chloropropane)	1.465	1.317		-10.102	
Acetophenone	0.500	0.486		-2.8	
3+4-Methylphenols	1.403	1.351		-3.706	
n-Nitroso-di-n-propylamine	0.965	0.859	0.050	-10.984	
Nitrobenzene-d5	0.400	0.385		-3.75	
Hexachloroethane	0.570	0.521		-8.596	
Nitrobenzene	0.410	0.382		-6.829	
Isophorone	0.670	0.637		-4.925	
2-Nitrophenol	0.189	0.198		4.762	20.0
2,4-Dimethylphenol	0.220	0.222		0.909	
bis(2-Chloroethoxy)methane	0.418	0.406		-2.871	
2,4-Dichlorophenol	0.304	0.299		-1.645	20.0
1,2,4-Trichlorobenzene	0.349	0.346		-0.86	
Benzoic acid	0.209	0.181		-13.397	
Naphthalene	1.099	1.079		-1.82	
4-Chloroaniline	0.365	0.358		-1.918	
Hexachlorobutadiene	0.235	0.225		-4.255	20.0
Caprolactam	0.091	0.084		-7.692	
4-Chloro-3-methylphenol	0.342	0.320		-6.433	20.0
2-Methylnaphthalene	0.727	0.696		-4.264	
Hexachlorocyclopentadiene	0.153	0.117	0.050	-23.529	
2,4,6-Trichlorophenol	0.376	0.341		-9.309	20.0
2-Fluorobiphenyl	1.455	1.340		-7.904	
2,4,5-Trichlorophenol	0.414	0.369		-10.87	
1,1-Biphenyl	1.590	1.490		-6.289	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG No.: BF122024

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 : 11:15

Lab File ID: BF140942.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	1.217	1.152		-5.341	
2-Nitroaniline	0.367	0.325		-11.444	
Dimethylphthalate	1.410	1.310		-7.092	
Acenaphthylene	1.788	1.741		-2.629	
2,6-Dinitrotoluene	0.322	0.318		-1.242	
3-Nitroaniline	0.320	0.316		-1.25	
Acenaphthene	1.142	1.107		-3.065	20.0
2,4-Dinitrophenol	0.132	0.127	0.050	-3.788	
4-Nitrophenol	0.150	0.143	0.050	-4.667	
Dibenzofuran	1.770	1.682		-4.972	
2,4-Dinitrotoluene	0.424	0.408		-3.774	
Diethylphthalate	1.462	1.314		-10.123	
4-Chlorophenyl-phenylether	0.733	0.682		-6.958	
Fluorene	1.460	1.356		-7.123	
4-Nitroaniline	0.334	0.310		-7.186	
4,6-Dinitro-2-methylphenol	0.113	0.114		0.885	
n-Nitrosodiphenylamine	0.615	0.657		6.829	20.0
Azobenzene	1.375	1.184		-13.891	
2,4,6-Tribromophenol	0.237	0.214		-9.705	
4-Bromophenyl-phenylether	0.224	0.230		2.679	
Hexachlorobenzene	0.254	0.264		3.937	
Atrazine	0.172	0.144		-16.279	
Pentachlorophenol	0.093	0.077		-17.204	20.0
Phenanthrene	1.028	0.981		-4.572	
Anthracene	1.013	0.983		-2.962	
Carbazole	0.992	0.954		-3.831	
Di-n-butylphthalate	1.164	1.178		1.203	
Fluoranthene	1.184	1.083		-8.53	20.0
Benzidine	0.408	0.351		-13.971	
Pyrene	1.779	1.904		7.026	
Terphenyl-d14	1.268	1.393		9.858	
Butylbenzylphthalate	0.654	0.631		-3.517	
3,3-Dichlorobenzidine	0.428	0.390		-8.879	
Benzo(a)anthracene	1.417	1.356		-4.305	
Chrysene	1.289	1.279		-0.776	
Bis(2-ethylhexyl)phthalate	0.844	0.789		-6.517	
Di-n-octyl phthalate	1.277	1.023		-19.89	20.0
Benzo(b)fluoranthene	1.388	1.319		-4.971	
Benzo(k)fluoranthene	1.191	1.123		-5.709	

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG No.: BF122024

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 : 11:15

Lab File ID: BF140942.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	1.087	1.066		-1.932	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.605		28.606	
Dibenzo(a,h)anthracene	1.034	1.335		29.11	
Benzo(g,h,i)perylene	1.052	1.276		21.293	
1,2,4,5-Tetrachlorobenzene	0.615	0.574		-6.667	
1,4-Dioxane	0.523	0.501		-4.207	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.314		-6.825	
1-Methylnaphthalene	0.719	0.679		-5.563	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG No.: BF122024
Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 : 19:24
Lab File ID: BF140959.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	0.611	0.562		-8.02	50.0
Pyridine	1.212	1.170		-3.465	50.0
2-Fluorophenol	1.215	1.203		-0.988	50.0
Benzaldehyde	0.892	0.898		0.673	50.0
Aniline	1.376	1.324		-3.779	50.0
Phenol-d6	1.609	1.593		-0.994	50.0
Phenol	1.668	1.653		-0.899	50.0
bis(2-Chloroethyl) ether	1.244	1.188		-4.502	50.0
2-Chlorophenol	1.325	1.338		0.981	50.0
1,2-Dichlorobenzene	1.446	1.406		-2.766	50.0
1,3-Dichlorobenzene	1.510	1.478		-2.119	50.0
1,4-Dichlorobenzene	1.532	1.505		-1.762	50.0
Benzyl Alcohol	1.151	1.129		-1.911	50.0
2-Methylphenol	1.058	1.065		0.662	50.0
2,2-oxybis(1-Chloropropane)	1.465	1.318		-10.034	50.0
Acetophenone	0.500	0.492		-1.6	50.0
3+4-Methylphenols	1.403	1.384		-1.354	50.0
n-Nitroso-di-n-propylamine	0.965	0.915	0.050	-5.181	50.0
Nitrobenzene-d5	0.400	0.389		-2.75	50.0
Hexachloroethane	0.570	0.538		-5.614	50.0
Nitrobenzene	0.410	0.400		-2.439	50.0
Isophorone	0.670	0.630		-5.97	50.0
2-Nitrophenol	0.189	0.194		2.646	50.0
2,4-Dimethylphenol	0.220	0.220		0.0	50.0
bis(2-Chloroethoxy) methane	0.418	0.393		-5.981	50.0
2,4-Dichlorophenol	0.304	0.302		-0.658	50.0
1,2,4-Trichlorobenzene	0.349	0.340		-2.579	50.0
Benzoic acid	0.209	0.212		1.435	50.0
Naphthalene	1.099	1.086		-1.183	50.0
4-Chloroaniline	0.365	0.364		-0.274	50.0
Hexachlorobutadiene	0.235	0.225		-4.255	50.0
Caprolactam	0.091	0.098		7.692	50.0
4-Chloro-3-methylphenol	0.342	0.345		0.877	50.0
2-Methylnaphthalene	0.727	0.714		-1.788	50.0
Hexachlorocyclopentadiene	0.153	0.089	0.050	-41.83	50.0
2,4,6-Trichlorophenol	0.376	0.353		-6.117	50.0
2-Fluorobiphenyl	1.455	1.388		-4.605	50.0
2,4,5-Trichlorophenol	0.414	0.389		-6.039	50.0
1,1-Biphenyl	1.590	1.544		-2.893	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG No.: BF122024
Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 : 19:24
Lab File ID: BF140959.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
2-Chloronaphthalene	1.217	1.190		-2.219	50.0
2-Nitroaniline	0.367	0.362		-1.362	50.0
Dimethylphthalate	1.410	1.351		-4.184	50.0
Acenaphthylene	1.788	1.788		0.0	50.0
2,6-Dinitrotoluene	0.322	0.320		-0.621	50.0
3-Nitroaniline	0.320	0.332		3.75	50.0
Acenaphthene	1.142	1.133		-0.788	50.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.697	50.0
4-Nitrophenol	0.150	0.153	0.050	2.0	50.0
Dibenzofuran	1.770	1.710		-3.39	50.0
2,4-Dinitrotoluene	0.424	0.429		1.179	50.0
Diethylphthalate	1.462	1.353		-7.456	50.0
4-Chlorophenyl-phenylether	0.733	0.696		-5.048	50.0
Fluorene	1.460	1.425		-2.397	50.0
4-Nitroaniline	0.334	0.356		6.587	50.0
4,6-Dinitro-2-methylphenol	0.113	0.116		2.655	50.0
n-Nitrosodiphenylamine	0.615	0.605		-1.626	50.0
Azobenzene	1.375	1.261		-8.291	50.0
2,4,6-Tribromophenol	0.237	0.232		-2.11	50.0
4-Bromophenyl-phenylether	0.224	0.214		-4.464	50.0
Hexachlorobenzene	0.254	0.247		-2.756	50.0
Atrazine	0.172	0.145		-15.698	50.0
Pentachlorophenol	0.093	0.075		-19.355	50.0
Phenanthrene	1.028	1.020		-0.778	50.0
Anthracene	1.013	0.994		-1.876	50.0
Carbazole	0.992	1.002		1.008	50.0
Di-n-butylphthalate	1.164	1.108		-4.811	50.0
Fluoranthene	1.184	1.218		2.872	50.0
Benzidine	0.408	0.445		9.069	50.0
Pyrene	1.779	1.725		-3.035	50.0
Terphenyl-d14	1.268	1.207		-4.811	50.0
Butylbenzylphthalate	0.654	0.643		-1.682	50.0
3,3-Dichlorobenzidine	0.428	0.434		1.402	50.0
Benzo(a)anthracene	1.417	1.404		-0.917	50.0
Chrysene	1.289	1.227		-4.81	50.0
Bis(2-ethylhexyl)phthalate	0.844	0.790		-6.398	50.0
Di-n-octyl phthalate	1.277	1.059		-17.071	50.0
Benzo(b)fluoranthene	1.388	1.367		-1.513	50.0
Benzo(k)fluoranthene	1.191	1.086		-8.816	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG No.: BF122024

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 : 19:24

Lab File ID: BF140959.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
Benzo(a)pyrene	1.087	1.030		-5.244	50.0
Indeno(1,2,3-cd)pyrene	1.248	1.208		-3.205	50.0
Dibenzo(a,h)anthracene	1.034	0.996		-3.675	50.0
Benzo(g,h,i)perylene	1.052	0.977		-7.129	50.0
1,2,4,5-Tetrachlorobenzene	0.615	0.604		-1.789	50.0
1,4-Dioxane	0.523	0.491		-6.119	50.0
2,3,4,6-Tetrachlorophenol	0.337	0.317		-5.935	50.0
1-Methylnaphthalene	0.719	0.711		-1.113	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BL	SDG No.:	BF122024
Lab Sample ID:	PB165705BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF140943.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

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

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BL	SDG No.:	BF122024
Lab Sample ID:	PB165705BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF140943.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	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	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BL	SDG No.:	BF122024
Lab Sample ID:	PB165705BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF140943.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	149.785		18-112		100	SPK: -150
13127-88-3	Phenol-d6	153.18		15-107		102	SPK: -150
4165-60-0	Nitrobenzene-d5	106.589		18-107		107	SPK: -100
321-60-8	2-Fluorobiphenyl	102.997		20-109		103	SPK: -100

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BL	SDG No.:	BF122024
Lab Sample ID:	PB165705BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF140943.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	145.676		10-116		97	SPK: -150
1718-51-0	Terphenyl-d14	109.809	*	10-105		110	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	64872	6.845				
1146-65-2	Naphthalene-d8	228592	8.128				
15067-26-2	Acenaphthene-d10	136709	9.886				
1517-22-2	Phenanthrene-d10	270487	11.375				
1719-03-5	Chrysene-d12	174504	14.027				
1520-96-3	Perylene-d12	118300	15.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	180	J			2.228	

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BS	SDG No.:	BF122024
Lab Sample ID:	PB165705BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140944.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1300		86.8	270	330	ug/Kg
110-86-1	Pyridine	1300		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	540		180	270	330	ug/Kg
62-53-3	Aniline	1400		96.9	130	170	ug/Kg
108-95-2	Phenol	1600		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1800		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1700		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1800		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1100		240	270	330	ug/Kg
91-20-3	Naphthalene	1600		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	1200		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BS	SDG No.:	BF122024
Lab Sample ID:	PB165705BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140944.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1700		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1700		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300		160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1800		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	130	170	ug/Kg
Total PAH	Total PAH	29900		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2400		120	270	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1800		85	130	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BS	SDG No.:	BF122024
Lab Sample ID:	PB165705BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140944.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1900		84	130	170	ug/Kg
120-12-7	Anthracene	2000		84.4	130	170	ug/Kg
86-74-8	Carbazole	1900		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1800		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1900		81.7	130	170	ug/Kg
92-87-5	Benzidine	1700		160	270	330	ug/Kg
129-00-0	Pyrene	1900		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1800		80.7	130	170	ug/Kg
218-01-9	Chrysene	1800		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1100		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1600		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.386		18-112		96	SPK: -150
13127-88-3	Phenol-d6	136.115		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	91.608		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	105.274		20-109		105	SPK: -100

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	PB165705BS	SDG No.:	BF122024
Lab Sample ID:	PB165705BS	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
BF140944.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.8		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	120.524	*	10-105		121	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71247	6.851				
1146-65-2	Naphthalene-d8	255665	8.128				
15067-26-2	Acenaphthene-d10	141292	9.886				
1517-22-2	Phenanthrene-d10	237962	11.38				
1719-03-5	Chrysene-d12	149220	14.033				
1520-96-3	Perylene-d12	113763	15.521				

Report of Analysis

Client:		Date Collected:	12/17/2024 12:00:00 AM
Project:		Date Received:	12/17/2024 12:00:00 AM
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	BF122024
Lab Sample ID:	P5316-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
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
BF140945.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	U	130	390	480	ug/Kg
110-86-1	Pyridine	120	U	120	190	250	ug/Kg
100-52-7	Benzaldehyde	260	U	260	390	480	ug/Kg
62-53-3	Aniline	140	U	140	190	250	ug/Kg
108-95-2	Phenol	120	U	120	190	250	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	190	250	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	190	250	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	250	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	190	250	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	190	250	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	390	480	ug/Kg
95-48-7	2-Methylphenol	120	U	120	190	250	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	190	250	ug/Kg
98-86-2	Acetophenone	130	U	130	190	250	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	390	480	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.7	U	58.7	120	120	ug/Kg
67-72-1	Hexachloroethane	120	U	120	190	250	ug/Kg
98-95-3	Nitrobenzene	130	U	130	190	250	ug/Kg
78-59-1	Isophorone	120	U	120	190	250	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	190	250	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	190	250	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	190	250	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	250	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	190	250	ug/Kg
65-85-0	Benzoic acid	350	U	350	390	480	ug/Kg
91-20-3	Naphthalene	120	U	120	190	250	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	190	250	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	250	ug/Kg

Report of Analysis

Client:		Date Collected:	12/17/2024 12:00:00 AM
Project:		Date Received:	12/17/2024 12:00:00 AM
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	BF122024
Lab Sample ID:	P5316-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
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
BF140945.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	130	U	130	390	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	190	250	ug/Kg
91-57-6	2-Methylnaphthalene	120	U	120	190	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	230	U	230	390	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	190	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	190	250	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	190	250	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	250	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	250	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	190	250	ug/Kg
208-96-8	Acenaphthylene	130	U	130	190	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	190	250	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	250	ug/Kg
83-32-9	Acenaphthene	120	U	120	190	250	ug/Kg
Total PAH	Total PAH	1940	U	1940	190	4000	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	350	390	480	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	390	480	ug/Kg
132-64-9	Dibenzofuran	120	U	120	190	250	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	190	500	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	190	250	ug/Kg
84-66-2	Diethylphthalate	120	U	120	190	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	190	250	ug/Kg
86-73-7	Fluorene	120	U	120	190	250	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	190	250	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	390	480	ug/Kg
86-30-6	n-Nitrosodiphenylamine	120	U	120	190	250	ug/Kg
103-33-3	Azobenzene	120	U	120	190	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	190	250	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	190	250	ug/Kg
1912-24-9	Atrazine	130	U	130	190	250	ug/Kg

Report of Analysis

Client:		Date Collected:	12/17/2024 12:00:00 AM
Project:		Date Received:	12/17/2024 12:00:00 AM
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	BF122024
Lab Sample ID:	P5316-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
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
BF140945.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	390	480	ug/Kg
85-01-8	Phenanthrene	120	U	120	190	250	ug/Kg
120-12-7	Anthracene	120	U	120	190	250	ug/Kg
86-74-8	Carbazole	120	U	120	190	250	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	190	250	ug/Kg
206-44-0	Fluoranthene	120	U	120	190	250	ug/Kg
92-87-5	Benzidine	240	U	240	390	480	ug/Kg
129-00-0	Pyrene	120	U	120	190	250	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	190	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	390	480	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	190	250	ug/Kg
218-01-9	Chrysene	120	U	120	190	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	190	250	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	390	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	U	120	190	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	190	250	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	190	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	190	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	120	U	120	190	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	190	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	190	250	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	190	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	190	250	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	250	250	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.604		18-112		62	SPK: -150
13127-88-3	Phenol-d6	97.464		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	59.02		18-107		59	SPK: -100
321-60-8	2-Fluorobiphenyl	56.227		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	12/17/2024 12:00:00 AM
Project:		Date Received:	12/17/2024 12:00:00 AM
Client Sample ID:	TT-304-IDWSO-20241217-1	SDG No.:	BF122024
Lab Sample ID:	P5316-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	31.4
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
BF140945.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	86.081		10-116		57	SPK: -150
1718-51-0	Terphenyl-d14	47.97		10-105		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	57889	6.845				
1146-65-2	Naphthalene-d8	220576	8.128				
15067-26-2	Acenaphthene-d10	122567	9.886				
1517-22-2	Phenanthrene-d10	209736	11.374				
1719-03-5	Chrysene-d12	174197	14.033				
1520-96-3	Perylene-d12	135546	15.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4700	J			2.157	
000119-61-9	Benzophenone	180	J			10.598	
000057-10-3	n-Hexadecanoic acid	200	J			11.892	
015594-90-8	1-Heneicosanol	190	J			13.863	

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140946.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.4	U	95.4	300	360	ug/Kg
110-86-1	Pyridine	87.8	U	87.8	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.1	U	91.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92	U	92	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.8	U	91.8	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93	U	93	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.5	U	94.5	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.1	U	95.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.2	U	91.2	300	360	ug/Kg
95-48-7	2-Methylphenol	88.6	U	88.6	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.9	U	99.9	140	190	ug/Kg
98-86-2	Acetophenone	95.5	U	95.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.7	U	87.7	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.3	U	44.3	87.9	87.9	ug/Kg
67-72-1	Hexachloroethane	91.2	U	91.2	140	190	ug/Kg
98-95-3	Nitrobenzene	99.8	U	99.8	140	190	ug/Kg
78-59-1	Isophorone	93	U	93	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	94.3	U	94.3	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83	U	83	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.9	U	93.9	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	90.8	U	90.8	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.8	U	90.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.6	U	91.6	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140946.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95.4	U	95.4	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.2	U	85.2	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.7	U	90.7	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.5	U	78.5	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.3	U	81.3	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.1	U	96.1	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.6	U	91.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.8	U	89.8	140	190	ug/Kg
208-96-8	Acenaphthylene	95.1	U	95.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.4	U	91.4	140	190	ug/Kg
99-09-2	3-Nitroaniline	98	U	98	140	190	ug/Kg
83-32-9	Acenaphthene	89.1	U	89.1	140	190	ug/Kg
Total PAH	Total PAH	1454.1	U	1454.1	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	92.8	U	92.8	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	186.1	U	186.1	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.7	U	94.7	140	190	ug/Kg
84-66-2	Diethylphthalate	88	U	88	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.1	U	94.1	140	190	ug/Kg
86-73-7	Fluorene	94	U	94	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.7	U	89.7	140	190	ug/Kg
103-33-3	Azobenzene	87.5	U	87.5	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.7	U	86.7	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93.4	U	93.4	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140946.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85	U	85	300	360	ug/Kg
85-01-8	Phenanthrene	92.3	U	92.3	140	190	ug/Kg
120-12-7	Anthracene	92.8	U	92.8	140	190	ug/Kg
86-74-8	Carbazole	88.3	U	88.3	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.7	U	92.7	140	190	ug/Kg
206-44-0	Fluoranthene	89.8	U	89.8	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	91.2	U	91.2	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	88.7	U	88.7	140	190	ug/Kg
218-01-9	Chrysene	87.4	U	87.4	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.1	U	89.1	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	90.8	U	90.8	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.8	U	85.8	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.2	U	89.2	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88	U	88	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.4	U	95.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.1	U	82.1	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.4	U	91.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	162.607		18-112		108	SPK: -150
13127-88-3	Phenol-d6	164.6	*	15-107		110	SPK: -150
4165-60-0	Nitrobenzene-d5	102.604		18-107		103	SPK: -100
321-60-8	2-Fluorobiphenyl	94.989		20-109		95	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-12-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140946.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	145.477		10-116		97	SPK: -150
1718-51-0	Terphenyl-d14	89.097		10-105		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54430	6.845				
1146-65-2	Naphthalene-d8	210139	8.128				
15067-26-2	Acenaphthene-d10	120116	9.886				
1517-22-2	Phenanthrene-d10	210542	11.375				
1719-03-5	Chrysene-d12	164330	14.027				
1520-96-3	Perylene-d12	118564	15.527				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140947.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	92.6	U	92.6	290	350	ug/Kg
110-86-1	Pyridine	85.2	U	85.2	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	290	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	88.4	U	88.4	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.3	U	89.3	140	180	ug/Kg
95-57-8	2-Chlorophenol	89.1	U	89.1	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.2	U	90.2	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	91.7	U	91.7	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	92.3	U	92.3	140	180	ug/Kg
100-51-6	Benzyl Alcohol	88.5	U	88.5	290	350	ug/Kg
95-48-7	2-Methylphenol	86	U	86	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	97	U	97	140	180	ug/Kg
98-86-2	Acetophenone	92.7	U	92.7	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	85.1	U	85.1	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43	U	43	85.3	85.3	ug/Kg
67-72-1	Hexachloroethane	88.5	U	88.5	140	180	ug/Kg
98-95-3	Nitrobenzene	96.8	U	96.8	140	180	ug/Kg
78-59-1	Isophorone	90.2	U	90.2	140	180	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	99.4	U	99.4	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	91.5	U	91.5	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	80.5	U	80.5	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	91.1	U	91.1	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	290	350	ug/Kg
91-20-3	Naphthalene	88.1	U	88.1	140	180	ug/Kg
106-47-8	4-Chloroaniline	88.1	U	88.1	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	88.8	U	88.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140947.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	92.6	U	92.6	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.7	U	82.7	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	88	U	88	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	76.2	U	76.2	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78.9	U	78.9	140	180	ug/Kg
92-52-4	1,1-Biphenyl	93.2	U	93.2	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	88.8	U	88.8	140	180	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	180	ug/Kg
131-11-3	Dimethylphthalate	87.1	U	87.1	140	180	ug/Kg
208-96-8	Acenaphthylene	92.3	U	92.3	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	88.7	U	88.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	95.1	U	95.1	140	180	ug/Kg
83-32-9	Acenaphthene	86.5	U	86.5	140	180	ug/Kg
Total PAH	Total PAH	1413.3	U	1413.3	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	290	350	ug/Kg
132-64-9	Dibenzofuran	90	U	90	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	80.6	U	180.6	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	91.9	U	91.9	140	180	ug/Kg
84-66-2	Diethylphthalate	85.4	U	85.4	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91.3	U	91.3	140	180	ug/Kg
86-73-7	Fluorene	91.2	U	91.2	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	87	U	87	140	180	ug/Kg
103-33-3	Azobenzene	84.9	U	84.9	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84.2	U	84.2	140	180	ug/Kg
118-74-1	Hexachlorobenzene	90.7	U	90.7	140	180	ug/Kg
1912-24-9	Atrazine	97.5	U	97.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140947.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	82.4	U	82.4	290	350	ug/Kg
85-01-8	Phenanthrene	89.6	U	89.6	140	180	ug/Kg
120-12-7	Anthracene	90	U	90	140	180	ug/Kg
86-74-8	Carbazole	85.6	U	85.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	89.9	U	89.9	140	180	ug/Kg
206-44-0	Fluoranthene	87.1	U	87.1	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	290	350	ug/Kg
129-00-0	Pyrene	88.5	U	88.5	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	86.1	U	86.1	140	180	ug/Kg
218-01-9	Chrysene	84.8	U	84.8	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.1	U	97.1	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	86.5	U	86.5	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	99.2	U	99.2	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83.3	U	83.3	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86.6	U	86.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	85.4	U	85.4	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92.6	U	92.6	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	79.7	U	79.7	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	88.7	U	88.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.456		18-112		71	SPK: -150
13127-88-3	Phenol-d6	110.332		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	73.454		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	73.334		20-109		73	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140947.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	107.36		10-116		72	SPK: -150
1718-51-0	Terphenyl-d14	60.699		10-105		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58015	6.846				
1146-65-2	Naphthalene-d8	219653	8.128				
15067-26-2	Acenaphthene-d10	121595	9.886				
1517-22-2	Phenanthrene-d10	255298	11.375				
1719-03-5	Chrysene-d12	180413	14.027				
1520-96-3	Perylene-d12	133929	15.521				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	BF122024
Lab Sample ID:	P5306-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140948.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		92.4	290	350	ug/Kg
110-86-1	Pyridine	1600		85.1	140	180	ug/Kg
100-52-7	Benzaldehyde	550		190	290	350	ug/Kg
62-53-3	Aniline	1400		100	140	180	ug/Kg
108-95-2	Phenol	2000		88.3	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.1	140	180	ug/Kg
95-57-8	2-Chlorophenol	2000		88.9	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		90.1	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		91.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		92.1	140	180	ug/Kg
100-51-6	Benzyl Alcohol	2000		88.4	290	350	ug/Kg
95-48-7	2-Methylphenol	1900		85.8	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		96.8	140	180	ug/Kg
98-86-2	Acetophenone	1900		92.5	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	85.2	ug/Kg
67-72-1	Hexachloroethane	1700		88.4	140	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.7	140	180	ug/Kg
78-59-1	Isophorone	1800		90.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.2	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		80.4	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		90.9	140	180	ug/Kg
65-85-0	Benzoic acid	1300		250	290	350	ug/Kg
91-20-3	Naphthalene	1800		88	140	180	ug/Kg
106-47-8	4-Chloroaniline	810		88	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	1600		88.7	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	BF122024
Lab Sample ID:	P5306-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140948.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2000		92.4	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		82.5	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	1700		87.8	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		76	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	140	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		93.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.7	140	180	ug/Kg
88-74-4	2-Nitroaniline	1800		100	140	180	ug/Kg
131-11-3	Dimethylphthalate	1800		87	140	180	ug/Kg
208-96-8	Acenaphthylene	2000		92.1	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.6	140	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95	140	180	ug/Kg
83-32-9	Acenaphthene	1900		86.4	140	180	ug/Kg
Total PAH	Total PAH	31400		1411.2	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	290	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		180.4	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	140	180	ug/Kg
84-66-2	Diethylphthalate	1700		85.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.1	140	180	ug/Kg
86-73-7	Fluorene	1800		91	140	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		86.9	140	180	ug/Kg
103-33-3	Azobenzene	1900		84.8	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		84	140	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		90.5	140	180	ug/Kg
1912-24-9	Atrazine	2200		97.3	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	BF122024
Lab Sample ID:	P5306-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140948.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2800		82.3	290	350	ug/Kg
85-01-8	Phenanthrene	2000		89.4	140	180	ug/Kg
120-12-7	Anthracene	1900		89.9	140	180	ug/Kg
86-74-8	Carbazole	1900		85.5	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		89.8	140	180	ug/Kg
206-44-0	Fluoranthene	1700		87	140	180	ug/Kg
92-87-5	Benzidine	1600		170	290	350	ug/Kg
129-00-0	Pyrene	2000		88.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		100	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		85.9	140	180	ug/Kg
218-01-9	Chrysene	1800		84.7	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		96.9	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		86.4	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		88	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		99	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2300		86.5	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		92.4	140	180	ug/Kg
123-91-1	1,4-Dioxane	1400		120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		79.5	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	1600		88.6	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	131.406		18-112		88	SPK: -150
13127-88-3	Phenol-d6	134.43		15-107		90	SPK: -150
4165-60-0	Nitrobenzene-d5	89.012		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	83.953		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MS	SDG No.:	BF122024
Lab Sample ID:	P5306-09MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140948.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	122.376		10-116		82	SPK: -150
1718-51-0	Terphenyl-d14	91.048		10-105		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55385	6.851				
1146-65-2	Naphthalene-d8	209218	8.128				
15067-26-2	Acenaphthene-d10	115521	9.886				
1517-22-2	Phenanthrene-d10	219277	11.38				
1719-03-5	Chrysene-d12	133308	14.033				
1520-96-3	Perylene-d12	114231	15.521				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	BF122024
Lab Sample ID:	P5306-09MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140949.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		92.5	290	350	ug/Kg
110-86-1	Pyridine	1700		85.1	140	180	ug/Kg
100-52-7	Benzaldehyde	590		190	290	350	ug/Kg
62-53-3	Aniline	1500		100	140	180	ug/Kg
108-95-2	Phenol	2100		88.3	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		89.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	2000		89	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		90.1	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		91.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		92.2	140	180	ug/Kg
100-51-6	Benzyl Alcohol	2000		88.4	290	350	ug/Kg
95-48-7	2-Methylphenol	2000		85.9	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900		96.9	140	180	ug/Kg
98-86-2	Acetophenone	2000		92.6	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	2000		85	290	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1900		42.9	85.2	85.2	ug/Kg
67-72-1	Hexachloroethane	1800		88.4	140	180	ug/Kg
98-95-3	Nitrobenzene	1800		96.8	140	180	ug/Kg
78-59-1	Isophorone	1900		90.1	140	180	ug/Kg
88-75-5	2-Nitrophenol	2000		100	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2300		99.3	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		91.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		80.4	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		91	140	180	ug/Kg
65-85-0	Benzoic acid	1400		250	290	350	ug/Kg
91-20-3	Naphthalene	1900		88	140	180	ug/Kg
106-47-8	4-Chloroaniline	780		88	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		88.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	BF122024
Lab Sample ID:	P5306-09MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140949.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2100		92.5	290	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		82.6	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	1900		87.9	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		170	290	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		76.1	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		78.8	140	180	ug/Kg
92-52-4	1,1-Biphenyl	1900		93.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	1800		88.8	140	180	ug/Kg
88-74-4	2-Nitroaniline	1900		100	140	180	ug/Kg
131-11-3	Dimethylphthalate	1900		87.1	140	180	ug/Kg
208-96-8	Acenaphthylene	2100		92.2	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		88.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	1100		95	140	180	ug/Kg
83-32-9	Acenaphthene	2000		86.4	140	180	ug/Kg
Total PAH	Total PAH	33000		1411.8	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	260	290	350	ug/Kg
100-02-7	4-Nitrophenol	2900	E	120	290	350	ug/Kg
132-64-9	Dibenzofuran	1900		89.9	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		91.8	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3700		180.5	140	360	ug/Kg
84-66-2	Diethylphthalate	1800		85.3	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		91.2	140	180	ug/Kg
86-73-7	Fluorene	1900		91.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	1800		110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		120	290	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2100		86.9	140	180	ug/Kg
103-33-3	Azobenzene	2000		84.8	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		84.1	140	180	ug/Kg
118-74-1	Hexachlorobenzene	2000		90.6	140	180	ug/Kg
1912-24-9	Atrazine	2500		97.4	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	BF122024
Lab Sample ID:	P5306-09MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140949.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3000	E	82.4	290	350	ug/Kg
85-01-8	Phenanthrene	2100		89.5	140	180	ug/Kg
120-12-7	Anthracene	2200		89.9	140	180	ug/Kg
86-74-8	Carbazole	2100		85.6	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	1900		89.8	140	180	ug/Kg
206-44-0	Fluoranthene	2000		87.1	140	180	ug/Kg
92-87-5	Benzidine	1800		170	290	350	ug/Kg
129-00-0	Pyrene	2000		88.4	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		110	290	350	ug/Kg
56-55-3	Benzo(a)anthracene	1900		86	140	180	ug/Kg
218-01-9	Chrysene	1900		84.7	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		97	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	290	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1900		86.4	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	2000		88	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		99.1	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2400		83.2	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2400		86.5	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		85.3	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		92.5	140	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		79.6	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	1800		88.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	142.339		18-112		95	SPK: -150
13127-88-3	Phenol-d6	140.353		15-107		94	SPK: -150
4165-60-0	Nitrobenzene-d5	89.714		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	86.762		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-11-121224MSD	SDG No.:	BF122024
Lab Sample ID:	P5306-09MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.4
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
BF140949.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.298		10-116		90	SPK: -150
1718-51-0	Terphenyl-d14	92.274		10-105		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45949	6.851				
1146-65-2	Naphthalene-d8	175670	8.128				
15067-26-2	Acenaphthene-d10	102157	9.886				
1517-22-2	Phenanthrene-d10	188148	11.38				
1719-03-5	Chrysene-d12	131096	14.045				
1520-96-3	Perylene-d12	113765	15.562				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
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
BF140950.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.3	U	96.3	300	370	ug/Kg
110-86-1	Pyridine	88.7	U	88.7	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	92	U	92	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.9	U	92.9	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.7	U	92.7	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.9	U	93.9	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.5	U	95.5	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	96	U	96	140	190	ug/Kg
100-51-6	Benzyl Alcohol	92.1	U	92.1	300	370	ug/Kg
95-48-7	2-Methylphenol	89.5	U	89.5	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.5	U	96.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.6	U	88.6	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.7	U	44.7	88.8	88.8	ug/Kg
67-72-1	Hexachloroethane	92.1	U	92.1	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.9	U	93.9	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95.2	U	95.2	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.8	U	83.8	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.8	U	94.8	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.7	U	91.7	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.7	U	91.7	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.5	U	92.5	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
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
BF140950.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.3	U	96.3	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86	U	86	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.6	U	91.6	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.3	U	79.3	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.1	U	82.1	140	190	ug/Kg
92-52-4	1,1-Biphenyl	97	U	97	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.5	U	92.5	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.7	U	90.7	140	190	ug/Kg
208-96-8	Acenaphthylene	96	U	96	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.4	U	92.4	140	190	ug/Kg
99-09-2	3-Nitroaniline	99	U	99	140	190	ug/Kg
83-32-9	Acenaphthene	90	U	90	140	190	ug/Kg
Total PAH	Total PAH	1467.5	U	1467.5	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.7	U	93.7	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.7	U	95.7	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	88.1	U	188.1	140	380	ug/Kg
84-66-2	Diethylphthalate	88.9	U	88.9	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95	U	95	140	190	ug/Kg
86-73-7	Fluorene	94.9	U	94.9	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.6	U	90.6	140	190	ug/Kg
103-33-3	Azobenzene	88.4	U	88.4	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.6	U	87.6	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.4	U	94.4	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
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
BF140950.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.8	U	85.8	300	370	ug/Kg
85-01-8	Phenanthrene	93.2	U	93.2	140	190	ug/Kg
120-12-7	Anthracene	93.7	U	93.7	140	190	ug/Kg
86-74-8	Carbazole	89.1	U	89.1	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.6	U	93.6	140	190	ug/Kg
206-44-0	Fluoranthene	90.7	U	90.7	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	92.1	U	92.1	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.6	U	89.6	140	190	ug/Kg
218-01-9	Chrysene	88.2	U	88.2	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90	U	90	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.7	U	91.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.7	U	86.7	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90.1	U	90.1	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.9	U	88.9	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.3	U	96.3	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.4	U	92.4	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	152.341		18-112		102	SPK: -150
13127-88-3	Phenol-d6	153.048		15-107		102	SPK: -150
4165-60-0	Nitrobenzene-d5	101.276		18-107		101	SPK: -100
321-60-8	2-Fluorobiphenyl	91.685		20-109		92	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-13-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
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
BF140950.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.432		10-116		93	SPK: -150
1718-51-0	Terphenyl-d14	88.965		10-105		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53866	6.845				
1146-65-2	Naphthalene-d8	214632	8.128				
15067-26-2	Acenaphthene-d10	122940	9.886				
1517-22-2	Phenanthrene-d10	223066	11.374				
1719-03-5	Chrysene-d12	167929	14.033				
1520-96-3	Perylene-d12	138716	15.545				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF140951.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.5	U	90.5	280	340	ug/Kg
110-86-1	Pyridine	83.3	U	83.3	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	340	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	86.4	U	86.4	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.2	U	87.2	140	180	ug/Kg
95-57-8	2-Chlorophenol	87	U	87	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.2	U	88.2	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	89.6	U	89.6	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.1	U	90.1	140	180	ug/Kg
100-51-6	Benzyl Alcohol	86.5	U	86.5	280	340	ug/Kg
95-48-7	2-Methylphenol	84	U	84	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	94.7	U	94.7	140	180	ug/Kg
98-86-2	Acetophenone	90.6	U	90.6	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.2	U	83.2	280	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42	U	42	83.4	83.4	ug/Kg
67-72-1	Hexachloroethane	86.5	U	86.5	140	180	ug/Kg
98-95-3	Nitrobenzene	94.6	U	94.6	140	180	ug/Kg
78-59-1	Isophorone	88.2	U	88.2	140	180	ug/Kg
88-75-5	2-Nitrophenol	98.5	U	98.5	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.1	U	97.1	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	89.4	U	89.4	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	78.7	U	78.7	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89	U	89	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	280	340	ug/Kg
91-20-3	Naphthalene	86.1	U	86.1	140	180	ug/Kg
106-47-8	4-Chloroaniline	86.1	U	86.1	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	86.8	U	86.8	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF140951.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	90.5	U	90.5	280	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	80.8	U	80.8	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	86	U	86	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74.4	U	74.4	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.1	U	77.1	140	180	ug/Kg
92-52-4	1,1-Biphenyl	91.1	U	91.1	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	86.8	U	86.8	140	180	ug/Kg
88-74-4	2-Nitroaniline	99	U	99	140	180	ug/Kg
131-11-3	Dimethylphthalate	85.1	U	85.1	140	180	ug/Kg
208-96-8	Acenaphthylene	90.1	U	90.1	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	86.7	U	86.7	140	180	ug/Kg
99-09-2	3-Nitroaniline	93	U	93	140	180	ug/Kg
83-32-9	Acenaphthene	84.5	U	84.5	140	180	ug/Kg
Total PAH	Total PAH	1380.7	U	1380.7	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	280	340	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	340	ug/Kg
132-64-9	Dibenzofuran	87.9	U	87.9	140	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	89.8	U	89.8	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	76.5	U	176.5	140	360	ug/Kg
84-66-2	Diethylphthalate	83.5	U	83.5	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.2	U	89.2	140	180	ug/Kg
86-73-7	Fluorene	89.1	U	89.1	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	280	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85	U	85	140	180	ug/Kg
103-33-3	Azobenzene	82.9	U	82.9	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.2	U	82.2	140	180	ug/Kg
118-74-1	Hexachlorobenzene	88.6	U	88.6	140	180	ug/Kg
1912-24-9	Atrazine	95.2	U	95.2	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF140951.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	80.6	U	80.6	280	340	ug/Kg
85-01-8	Phenanthrene	87.5	U	87.5	140	180	ug/Kg
120-12-7	Anthracene	87.9	U	87.9	140	180	ug/Kg
86-74-8	Carbazole	83.7	U	83.7	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	87.8	U	87.8	140	180	ug/Kg
206-44-0	Fluoranthene	85.1	U	85.1	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	280	340	ug/Kg
129-00-0	Pyrene	86.5	U	86.5	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	340	ug/Kg
56-55-3	Benzo(a)anthracene	84.1	U	84.1	140	180	ug/Kg
218-01-9	Chrysene	82.8	U	82.8	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	94.8	U	94.8	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	280	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	84.5	U	84.5	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.1	U	86.1	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	96.9	U	96.9	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	81.4	U	81.4	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	84.6	U	84.6	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83.5	U	83.5	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	90.5	U	90.5	140	180	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	77.8	U	77.8	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	86.7	U	86.7	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	169.871	*	18-112		113	SPK: -150
13127-88-3	Phenol-d6	172.54	*	15-107		115	SPK: -150
4165-60-0	Nitrobenzene-d5	108.966	*	18-107		109	SPK: -100
321-60-8	2-Fluorobiphenyl	108.768		20-109		109	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-14-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.1
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
BF140951.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	169.631		10-116		113	SPK: -150
1718-51-0	Terphenyl-d14	108.261	*	10-105		108	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50529	6.845				
1146-65-2	Naphthalene-d8	204987	8.128				
15067-26-2	Acenaphthene-d10	120471	9.88				
1517-22-2	Phenanthrene-d10	234289	11.374				
1719-03-5	Chrysene-d12	182284	14.039				
1520-96-3	Perylene-d12	129207	15.557				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140952.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.4	U	95.4	300	360	ug/Kg
110-86-1	Pyridine	87.8	U	87.8	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.1	U	91.1	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92	U	92	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.8	U	91.8	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93	U	93	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.6	U	94.6	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.1	U	95.1	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.3	U	91.3	300	360	ug/Kg
95-48-7	2-Methylphenol	88.6	U	88.6	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.9	U	99.9	140	190	ug/Kg
98-86-2	Acetophenone	95.5	U	95.5	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.7	U	87.7	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.3	U	44.3	88	88	ug/Kg
67-72-1	Hexachloroethane	91.3	U	91.3	140	190	ug/Kg
98-95-3	Nitrobenzene	99.8	U	99.8	140	190	ug/Kg
78-59-1	Isophorone	93	U	93	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	94.3	U	94.3	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83	U	83	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.9	U	93.9	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	90.8	U	90.8	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.8	U	90.8	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.6	U	91.6	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140952.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95.4	U	95.4	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.2	U	85.2	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.7	U	90.7	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.5	U	78.5	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.4	U	81.4	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.1	U	96.1	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.6	U	91.6	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.8	U	89.8	140	190	ug/Kg
208-96-8	Acenaphthylene	95.1	U	95.1	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.5	U	91.5	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.1	U	98.1	140	190	ug/Kg
83-32-9	Acenaphthene	89.2	U	89.2	140	190	ug/Kg
Total PAH	Total PAH	1454.8	U	1454.8	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	92.8	U	92.8	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	186.3	U	186.3	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.8	U	94.8	140	190	ug/Kg
84-66-2	Diethylphthalate	88.1	U	88.1	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.1	U	94.1	140	190	ug/Kg
86-73-7	Fluorene	94	U	94	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.7	U	89.7	140	190	ug/Kg
103-33-3	Azobenzene	87.5	U	87.5	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.7	U	86.7	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93.5	U	93.5	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140952.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85	U	85	300	360	ug/Kg
85-01-8	Phenanthrene	92.4	U	92.4	140	190	ug/Kg
120-12-7	Anthracene	92.8	U	92.8	140	190	ug/Kg
86-74-8	Carbazole	88.3	U	88.3	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.7	U	92.7	140	190	ug/Kg
206-44-0	Fluoranthene	89.8	U	89.8	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	91.3	U	91.3	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	150	J	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	88.7	U	88.7	140	190	ug/Kg
218-01-9	Chrysene	87.4	U	87.4	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.2	U	89.2	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	90.8	U	90.8	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.9	U	85.9	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.3	U	89.3	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.1	U	88.1	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.4	U	95.4	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.1	U	82.1	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.5	U	91.5	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.632		18-112		64	SPK: -150
13127-88-3	Phenol-d6	97.063		15-107		65	SPK: -150
4165-60-0	Nitrobenzene-d5	63.974		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	62.627		20-109		63	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-07-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BF140952.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	92.082		10-116		61	SPK: -150
1718-51-0	Terphenyl-d14	55.847		10-105		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48127	6.845				
1146-65-2	Naphthalene-d8	182875	8.128				
15067-26-2	Acenaphthene-d10	107744	9.881				
1517-22-2	Phenanthrene-d10	206471	11.375				
1719-03-5	Chrysene-d12	165659	14.027				
1520-96-3	Perylene-d12	128346	15.521				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140953.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95.5	U	95.5	300	360	ug/Kg
110-86-1	Pyridine	87.9	U	87.9	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	360	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.2	U	91.2	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.1	U	92.1	140	190	ug/Kg
95-57-8	2-Chlorophenol	91.9	U	91.9	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.1	U	93.1	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	94.7	U	94.7	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.2	U	95.2	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.3	U	91.3	300	360	ug/Kg
95-48-7	2-Methylphenol	88.7	U	88.7	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	95.6	U	95.6	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.8	U	87.8	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.4	U	44.4	88	88	ug/Kg
67-72-1	Hexachloroethane	91.3	U	91.3	140	190	ug/Kg
98-95-3	Nitrobenzene	99.9	U	99.9	140	190	ug/Kg
78-59-1	Isophorone	93.1	U	93.1	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	94.4	U	94.4	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.1	U	83.1	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94	U	94	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	360	ug/Kg
91-20-3	Naphthalene	90.9	U	90.9	140	190	ug/Kg
106-47-8	4-Chloroaniline	90.9	U	90.9	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	91.7	U	91.7	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140953.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	95.5	U	95.5	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.3	U	85.3	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	90.8	U	90.8	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	78.6	U	78.6	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.4	U	81.4	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.2	U	96.2	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	91.7	U	91.7	140	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	140	190	ug/Kg
131-11-3	Dimethylphthalate	89.9	U	89.9	140	190	ug/Kg
208-96-8	Acenaphthylene	95.2	U	95.2	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	91.6	U	91.6	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.2	U	98.2	140	190	ug/Kg
83-32-9	Acenaphthene	89.3	U	89.3	140	190	ug/Kg
Total PAH	Total PAH	1456.1	U	1456.1	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	92.9	U	92.9	140	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	94.9	U	94.9	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86.5	U	186.5	140	380	ug/Kg
84-66-2	Diethylphthalate	88.2	U	88.2	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.2	U	94.2	140	190	ug/Kg
86-73-7	Fluorene	94.1	U	94.1	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	89.8	U	89.8	140	190	ug/Kg
103-33-3	Azobenzene	87.6	U	87.6	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.8	U	86.8	140	190	ug/Kg
118-74-1	Hexachlorobenzene	93.6	U	93.6	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140953.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.1	U	85.1	300	360	ug/Kg
85-01-8	Phenanthrene	92.4	U	92.4	140	190	ug/Kg
120-12-7	Anthracene	92.9	U	92.9	140	190	ug/Kg
86-74-8	Carbazole	88.4	U	88.4	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	92.8	U	92.8	140	190	ug/Kg
206-44-0	Fluoranthene	89.9	U	89.9	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	360	ug/Kg
129-00-0	Pyrene	91.3	U	91.3	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	360	ug/Kg
56-55-3	Benzo(a)anthracene	88.8	U	88.8	140	190	ug/Kg
218-01-9	Chrysene	87.5	U	87.5	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.3	U	89.3	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	90.9	U	90.9	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86	U	86	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.4	U	89.4	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.2	U	88.2	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95.5	U	95.5	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.2	U	82.2	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	91.6	U	91.6	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	160.73		18-112		107	SPK: -150
13127-88-3	Phenol-d6	160.608		15-107		107	SPK: -150
4165-60-0	Nitrobenzene-d5	105.894		18-107		106	SPK: -100
321-60-8	2-Fluorobiphenyl	96.788		20-109		97	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-08-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140953.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	161.291		10-116		108	SPK: -150
1718-51-0	Terphenyl-d14	104.59		10-105		105	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51335	6.845				
1146-65-2	Naphthalene-d8	204800	8.128				
15067-26-2	Acenaphthene-d10	121841	9.88				
1517-22-2	Phenanthrene-d10	231777	11.374				
1719-03-5	Chrysene-d12	149412	14.027				
1520-96-3	Perylene-d12	128778	15.521				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140954.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	96.1	U	96.1	300	370	ug/Kg
110-86-1	Pyridine	88.5	U	88.5	140	190	ug/Kg
100-52-7	Benzaldehyde	200	U	200	300	370	ug/Kg
62-53-3	Aniline	110	U	110	140	190	ug/Kg
108-95-2	Phenol	91.8	U	91.8	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	92.7	U	92.7	140	190	ug/Kg
95-57-8	2-Chlorophenol	92.5	U	92.5	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.7	U	93.7	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	95.2	U	95.2	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	95.8	U	95.8	140	190	ug/Kg
100-51-6	Benzyl Alcohol	91.9	U	91.9	300	370	ug/Kg
95-48-7	2-Methylphenol	89.2	U	89.2	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	140	190	ug/Kg
98-86-2	Acetophenone	96.2	U	96.2	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	88.4	U	88.4	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	44.6	U	44.6	88.6	88.6	ug/Kg
67-72-1	Hexachloroethane	91.9	U	91.9	140	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	140	190	ug/Kg
78-59-1	Isophorone	93.7	U	93.7	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	95	U	95	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	83.6	U	83.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.6	U	94.6	140	190	ug/Kg
65-85-0	Benzoic acid	260	U	260	300	370	ug/Kg
91-20-3	Naphthalene	91.5	U	91.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	91.5	U	91.5	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.2	U	92.2	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140954.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	96.1	U	96.1	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	85.8	U	85.8	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	91.4	U	91.4	140	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	79.1	U	79.1	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81.9	U	81.9	140	190	ug/Kg
92-52-4	1,1-Biphenyl	96.8	U	96.8	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	92.2	U	92.2	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	90.5	U	90.5	140	190	ug/Kg
208-96-8	Acenaphthylene	95.8	U	95.8	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	92.1	U	92.1	140	190	ug/Kg
99-09-2	3-Nitroaniline	98.8	U	98.8	140	190	ug/Kg
83-32-9	Acenaphthene	89.8	U	89.8	140	190	ug/Kg
Total PAH	Total PAH	1464.5	U	1464.5	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	93.5	U	93.5	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	187.5	U	187.5	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	95.4	U	95.4	140	190	ug/Kg
84-66-2	Diethylphthalate	88.7	U	88.7	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94.8	U	94.8	140	190	ug/Kg
86-73-7	Fluorene	94.7	U	94.7	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	90.4	U	90.4	140	190	ug/Kg
103-33-3	Azobenzene	88.1	U	88.1	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87.4	U	87.4	140	190	ug/Kg
118-74-1	Hexachlorobenzene	94.1	U	94.1	140	190	ug/Kg
1912-24-9	Atrazine	100	U	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140954.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	85.6	U	85.6	300	370	ug/Kg
85-01-8	Phenanthrene	93	U	93	140	190	ug/Kg
120-12-7	Anthracene	93.5	U	93.5	140	190	ug/Kg
86-74-8	Carbazole	88.9	U	88.9	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	93.3	U	93.3	140	190	ug/Kg
206-44-0	Fluoranthene	90.5	U	90.5	140	190	ug/Kg
92-87-5	Benzidine	180	U	180	300	370	ug/Kg
129-00-0	Pyrene	91.9	U	91.9	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	89.4	U	89.4	140	190	ug/Kg
218-01-9	Chrysene	88	U	88	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	89.8	U	89.8	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.5	U	91.5	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	86.5	U	86.5	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	89.9	U	89.9	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	88.7	U	88.7	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	96.1	U	96.1	140	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.7	U	82.7	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	92.1	U	92.1	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	173.175	*	18-112		115	SPK: -150
13127-88-3	Phenol-d6	171.897	*	15-107		115	SPK: -150
4165-60-0	Nitrobenzene-d5	111.053	*	18-107		111	SPK: -100
321-60-8	2-Fluorobiphenyl	107.105		20-109		107	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-09-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140954.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	166.778		10-116		111	SPK: -150
1718-51-0	Terphenyl-d14	91.486		10-105		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47850	6.845				
1146-65-2	Naphthalene-d8	188298	8.128				
15067-26-2	Acenaphthene-d10	108152	9.88				
1517-22-2	Phenanthrene-d10	209762	11.374				
1719-03-5	Chrysene-d12	160469	14.027				
1520-96-3	Perylene-d12	118975	15.521				

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF140955.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	91.2	U	91.2	280	350	ug/Kg
110-86-1	Pyridine	83.9	U	83.9	140	180	ug/Kg
100-52-7	Benzaldehyde	190	U	190	280	350	ug/Kg
62-53-3	Aniline	100	U	100	140	180	ug/Kg
108-95-2	Phenol	87.1	U	87.1	140	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	87.9	U	87.9	140	180	ug/Kg
95-57-8	2-Chlorophenol	87.7	U	87.7	140	180	ug/Kg
95-50-1	1,2-Dichlorobenzene	88.9	U	88.9	140	180	ug/Kg
541-73-1	1,3-Dichlorobenzene	90.3	U	90.3	140	180	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.9	U	90.9	140	180	ug/Kg
100-51-6	Benzyl Alcohol	87.2	U	87.2	280	350	ug/Kg
95-48-7	2-Methylphenol	84.7	U	84.7	140	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	95.5	U	95.5	140	180	ug/Kg
98-86-2	Acetophenone	91.3	U	91.3	140	180	ug/Kg
65794-96-9	3+4-Methylphenols	83.8	U	83.8	280	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.3	U	42.3	84	84	ug/Kg
67-72-1	Hexachloroethane	87.2	U	87.2	140	180	ug/Kg
98-95-3	Nitrobenzene	95.4	U	95.4	140	180	ug/Kg
78-59-1	Isophorone	88.9	U	88.9	140	180	ug/Kg
88-75-5	2-Nitrophenol	99.3	U	99.3	140	180	ug/Kg
105-67-9	2,4-Dimethylphenol	97.9	U	97.9	140	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	90.1	U	90.1	140	180	ug/Kg
120-83-2	2,4-Dichlorophenol	79.3	U	79.3	140	180	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	89.7	U	89.7	140	180	ug/Kg
65-85-0	Benzoic acid	250	U	250	280	350	ug/Kg
91-20-3	Naphthalene	86.8	U	86.8	140	180	ug/Kg
106-47-8	4-Chloroaniline	86.8	U	86.8	140	180	ug/Kg
87-68-3	Hexachlorobutadiene	87.5	U	87.5	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF140955.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	91.2	U	91.2	280	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	81.4	U	81.4	140	180	ug/Kg
91-57-6	2-Methylnaphthalene	86.7	U	86.7	140	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	280	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75	U	75	140	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	77.7	U	77.7	140	180	ug/Kg
92-52-4	1,1-Biphenyl	91.8	U	91.8	140	180	ug/Kg
91-58-7	2-Chloronaphthalene	87.5	U	87.5	140	180	ug/Kg
88-74-4	2-Nitroaniline	99.8	U	99.8	140	180	ug/Kg
131-11-3	Dimethylphthalate	85.8	U	85.8	140	180	ug/Kg
208-96-8	Acenaphthylene	90.9	U	90.9	140	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	87.4	U	87.4	140	180	ug/Kg
99-09-2	3-Nitroaniline	93.7	U	93.7	140	180	ug/Kg
83-32-9	Acenaphthene	85.2	U	85.2	140	180	ug/Kg
Total PAH	Total PAH	1392	U	1392	140	2880	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	280	350	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	280	350	ug/Kg
132-64-9	Dibenzofuran	88.7	U	88.7	140	180	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	78	U	178	140	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	90.6	U	90.6	140	180	ug/Kg
84-66-2	Diethylphthalate	84.1	U	84.1	140	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	89.9	U	89.9	140	180	ug/Kg
86-73-7	Fluorene	89.8	U	89.8	140	180	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	280	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	85.7	U	85.7	140	180	ug/Kg
103-33-3	Azobenzene	83.6	U	83.6	140	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	82.9	U	82.9	140	180	ug/Kg
118-74-1	Hexachlorobenzene	89.3	U	89.3	140	180	ug/Kg
1912-24-9	Atrazine	96	U	96	140	180	ug/Kg

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF140955.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.2	U	81.2	280	350	ug/Kg
85-01-8	Phenanthrene	88.2	U	88.2	140	180	ug/Kg
120-12-7	Anthracene	88.7	U	88.7	140	180	ug/Kg
86-74-8	Carbazole	84.4	U	84.4	140	180	ug/Kg
84-74-2	Di-n-butylphthalate	88.6	U	88.6	140	180	ug/Kg
206-44-0	Fluoranthene	85.8	U	85.8	140	180	ug/Kg
92-87-5	Benzidine	170	U	170	280	350	ug/Kg
129-00-0	Pyrene	87.2	U	87.2	140	180	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	140	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	280	350	ug/Kg
56-55-3	Benzo(a)anthracene	84.8	U	84.8	140	180	ug/Kg
218-01-9	Chrysene	83.5	U	83.5	140	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	95.6	U	95.6	140	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	280	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.2	U	85.2	140	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	86.8	U	86.8	140	180	ug/Kg
50-32-8	Benzo(a)pyrene	97.7	U	97.7	140	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	82	U	82	140	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85.3	U	85.3	140	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	84.1	U	84.1	140	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91.2	U	91.2	140	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	140	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	78.5	U	78.5	140	180	ug/Kg
90-12-0	1-Methylnaphthalene	87.4	U	87.4	180	180	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	159.782		18-112		107	SPK: -150
13127-88-3	Phenol-d6	162.677	*	15-107		108	SPK: -150
4165-60-0	Nitrobenzene-d5	104.717		18-107		105	SPK: -100
321-60-8	2-Fluorobiphenyl	106.805		20-109		107	SPK: -100

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	OU4-VSL-10-121224	SDG No.:	BF122024
Lab Sample ID:	P5306-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	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
BF140955.D	1	12/18/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165705

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	155.815		10-116		104	SPK: -150
1718-51-0	Terphenyl-d14	101.536		10-105		102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49587	6.846				
1146-65-2	Naphthalene-d8	194335	8.128				
15067-26-2	Acenaphthene-d10	109105	9.881				
1517-22-2	Phenanthrene-d10	208663	11.375				
1719-03-5	Chrysene-d12	159926	14.027				
1520-96-3	Perylene-d12	129368	15.516				

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF122024
Lab Sample ID:	P5330-04	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
BF140956.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

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:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF122024
Lab Sample ID:	P5330-04	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
BF140956.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	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:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF122024
Lab Sample ID:	P5330-04	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
BF140956.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

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	165.149		10-139		110	SPK: -150
13127-88-3	Phenol-d6	159.454		10-134		106	SPK: -150
4165-60-0	Nitrobenzene-d5	109.964		49-133		110	SPK: -100
321-60-8	2-Fluorobiphenyl	105.6		52-132		106	SPK: -100

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	BF122024
Lab Sample ID:	P5330-04	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
BF140956.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	169.727		44-137		113	SPK: -150
1718-51-0	Terphenyl-d14	98.553		48-125		99	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48429	6.851				
1146-65-2	Naphthalene-d8	185251	8.128				
15067-26-2	Acenaphthene-d10	108747	9.881				
1517-22-2	Phenanthrene-d10	205721	11.375				
1719-03-5	Chrysene-d12	163371	14.027				
1520-96-3	Perylene-d12	127175	15.521				

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MS	SDG No.:	BF122024
Lab Sample ID:	P5330-04MS	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
BF140957.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	470		10.3	80	100	ug/L
110-86-1	Pyridine	400		15.5	40	50	ug/L
100-52-7	Benzaldehyde	130		40	80	100	ug/L
62-53-3	Aniline	160		16	40	50	ug/L
108-95-2	Phenol	500		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	540		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	550		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	490		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	480		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	490		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	560		16	80	100	ug/L
95-48-7	2-Methylphenol	550		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	520		13.5	40	50	ug/L
98-86-2	Acetophenone	510		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	580		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	540		14.8	25	25	ug/L
67-72-1	Hexachloroethane	480		10.1	40	50	ug/L
98-95-3	Nitrobenzene	480		12.7	40	50	ug/L
78-59-1	Isophorone	540		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	550		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	680		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	520		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	530		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	520		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	150		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	470		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MS	SDG No.:	BF122024
Lab Sample ID:	P5330-04MS	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
BF140957.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	480		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	520		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	500		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	530		50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	510		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	500		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	490		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	530		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	540		9.3	40	50	ug/L
208-96-8	Acenaphthylene	570		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	200		13.7	40	50	ug/L
83-32-9	Acenaphthene	550		8.1	40	50	ug/L
Total PAH	Total PAH	8920		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	790		20	80	100	ug/L
132-64-9	Dibenzofuran	510		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	510		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1030		27.6	40	100	ug/L
84-66-2	Diethylphthalate	510		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	510		9.8	40	50	ug/L
86-73-7	Fluorene	520		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	490		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	610		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	590		8.9	40	50	ug/L
103-33-3	Azobenzene	500		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	530		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	530		11.4	40	50	ug/L
1912-24-9	Atrazine	670		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MS	SDG No.:	BF122024
Lab Sample ID:	P5330-04MS	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
BF140957.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	570		8.9	40	50	ug/L
120-12-7	Anthracene	590		10.7	40	50	ug/L
86-74-8	Carbazole	570		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	490		12.9	40	50	ug/L
92-87-5	Benzidine	150		40.7	80	100	ug/L
129-00-0	Pyrene	570		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	560		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	180		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		9.4	40	50	ug/L
218-01-9	Chrysene	520		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	520		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	470		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	510		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	540		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	580		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	640		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	630		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	570		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	490		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	410		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	570		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	480		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	151.245		10-139		101	SPK: -150
13127-88-3	Phenol-d6	147.086		10-134		98	SPK: -150
4165-60-0	Nitrobenzene-d5	101.128		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	96.956		52-132		97	SPK: -100

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MS	SDG No.:	BF122024
Lab Sample ID:	P5330-04MS	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
BF140957.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	147.674		44-137		98	SPK: -150
1718-51-0	Terphenyl-d14	107.103		48-125		107	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59911	6.851				
1146-65-2	Naphthalene-d8	246060	8.128				
15067-26-2	Acenaphthene-d10	146011	9.886				
1517-22-2	Phenanthrene-d10	268415	11.38				
1719-03-5	Chrysene-d12	164211	14.033				
1520-96-3	Perylene-d12	136462	15.539				

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MSD	SDG No.:	BF122024
Lab Sample ID:	P5330-04MSD	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
BF140958.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	500		10.3	80	100	ug/L
110-86-1	Pyridine	430		15.5	40	50	ug/L
100-52-7	Benzaldehyde	120		40	80	100	ug/L
62-53-3	Aniline	150		16	40	50	ug/L
108-95-2	Phenol	500		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	520		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	530		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	490		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	480		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	480		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	560		16	80	100	ug/L
95-48-7	2-Methylphenol	550		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	510		13.5	40	50	ug/L
98-86-2	Acetophenone	540		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	550		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	520		14.8	25	25	ug/L
67-72-1	Hexachloroethane	470		10.1	40	50	ug/L
98-95-3	Nitrobenzene	510		12.7	40	50	ug/L
78-59-1	Isophorone	540		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	570		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	680		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	520		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	540		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	490		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	510		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	130		13	40	50	ug/L
87-68-3	Hexachlorobutadiene	470		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MSD	SDG No.:	BF122024
Lab Sample ID:	P5330-04MSD	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
BF140958.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	500		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	540		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	520		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	570		50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	520		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	490		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	520		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	510		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	530		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	530		9.3	40	50	ug/L
208-96-8	Acenaphthylene	570		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	500		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	180		13.7	40	50	ug/L
83-32-9	Acenaphthene	540		8.1	40	50	ug/L
Total PAH	Total PAH	8840		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	760		20	80	100	ug/L
132-64-9	Dibenzofuran	530		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	530		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1030		27.6	40	100	ug/L
84-66-2	Diethylphthalate	500		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	510		9.8	40	50	ug/L
86-73-7	Fluorene	520		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	480		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	600		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	580		8.9	40	50	ug/L
103-33-3	Azobenzene	490		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	540		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	550		11.4	40	50	ug/L
1912-24-9	Atrazine	680		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MSD	SDG No.:	BF122024
Lab Sample ID:	P5330-04MSD	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
BF140958.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	570		8.9	40	50	ug/L
120-12-7	Anthracene	600		10.7	40	50	ug/L
86-74-8	Carbazole	570		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	530		14.7	40	50	ug/L
206-44-0	Fluoranthene	560		12.9	40	50	ug/L
92-87-5	Benzidine	160		40.7	80	100	ug/L
129-00-0	Pyrene	530		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	550		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	190		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	520		9.4	40	50	ug/L
218-01-9	Chrysene	530		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	520		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	480		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	550		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	500		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	580		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	610		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	600		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	550		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	530		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	430		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	550		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	490		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	153.304		10-139		102	SPK: -150
13127-88-3	Phenol-d6	144.925		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	105.28		49-133		105	SPK: -100
321-60-8	2-Fluorobiphenyl	101.351		52-132		101	SPK: -100

Report of Analysis

Client:		Date Collected:	12/18/2024 12:00:00 AM
Project:		Date Received:	12/18/2024 12:00:00 AM
Client Sample ID:	TP-5MSD	SDG No.:	BF122024
Lab Sample ID:	P5330-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF140958.D	1	12/20/2024 12:00:00 AM	12/20/2024 12:00:00 AM	PB165790

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	154.774		44-137		103	SPK: -150
1718-51-0	Terphenyl-d14	103.111		48-125		103	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	54541	6.851				
1146-65-2	Naphthalene-d8	203503	8.128				
15067-26-2	Acenaphthene-d10	117560	9.886				
1517-22-2	Phenanthrene-d10	214958	11.38				
1719-03-5	Chrysene-d12	153902	14.033				
1520-96-3	Perylene-d12	129644	15.527				



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: BF122024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OU4-VSL-07-121224								
P5306-01	OU4-VSL-07-121224	Solid	Butylbenzylphthalate	150.000	J	110	190	ug/Kg
Total Svoc :				150.00				
Total Concentration:				150.00				
Client ID : TT-304-IDWSO-20241217-1								
P5316-01	TT-304-IDWSO-2024121	Solid	1-Heneicosanol	*	190.000	J		
P5316-01	TT-304-IDWSO-2024121	Solid	Benzophenone	*	180.000	J		
P5316-01	TT-304-IDWSO-2024121	Solid	Butane, 2-methoxy-2-methyl-	*	4,700.000	J		
P5316-01	TT-304-IDWSO-2024121	Solid	n-Hexadecanoic acid	*	200.000	J		
Total Tics :				5,270.00				
Total Concentration:				5,270.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF121624 SAS No.: BF121624 SDG No.: BF121624
Instrument ID: _____ Calibration Date(s): 12/16/2024
Calibration Time(s): 12:13

LAB FILE ID:		RRF2.5 = BF140855.D			RRF005 = BF140856.D		RRF010 = BF140857.D	
		RRF020 = BF140858.D			RRF040 = BF140859.D		RRF050 = BF140860.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.598	0.593	0.626	0.603	0.621	0.611	3.6
Pyridine		1.203	1.182	1.284	1.222	1.221	1.212	3.8
2-Fluorophenol		1.211	1.236	1.279	1.199	1.231	1.215	4.4
Benzaldehyde		1.048	1.051	0.993	0.864	0.823	0.892	16.3
Aniline		1.408	1.461	1.448	1.374	1.364	1.376	6.1
Phenol-d6		1.692	1.661	1.661	1.567	1.576	1.609	4.5
Phenol		1.756	1.690	1.733	1.630	1.643	1.668	4.4
bis(2-Chloroethyl)ether		1.277	1.242	1.281	1.227	1.237	1.244	2.9
2-Chlorophenol		1.343	1.379	1.357	1.301	1.313	1.325	3.8
1,2-Dichlorobenzene		1.521	1.495	1.509	1.436	1.403	1.446	4.9
1,3-Dichlorobenzene		1.584	1.540	1.557	1.469	1.495	1.510	4.2
1,4-Dichlorobenzene		1.607	1.601	1.583	1.497	1.495	1.532	4.9
Benzyl Alcohol		1.146	1.143	1.236	1.150	1.143	1.151	4.6
2-Methylphenol		1.081	1.105	1.080	1.039	1.039	1.058	3.5
2,2-oxybis(1-Chloropropane)		1.563	1.495	1.519	1.438	1.438	1.465	4.5
Acetophenone		0.526	0.503	0.520	0.493	0.496	0.500	5.4
3+4-Methylphenols		1.503	1.491	1.440	1.355	1.360	1.403	5.8
n-Nitroso-di-n-propylamine	1.005	1.030	1.004	0.999	0.922	0.938	0.965	5.5
Nitrobenzene-d5		0.406	0.401	0.420	0.393	0.397	0.400	4.4
Hexachloroethane		0.600	0.580	0.585	0.556	0.557	0.570	3.9
Nitrobenzene		0.418	0.411	0.425	0.402	0.408	0.410	4.4
Isophorone		0.681	0.672	0.690	0.651	0.664	0.670	3.5
2-Nitrophenol		0.183	0.185	0.193	0.187	0.191	0.189	3.8
2,4-Dimethylphenol		0.221	0.220	0.225	0.220	0.219	0.220	2.6
bis(2-Chloroethoxy)methane		0.431	0.414	0.429	0.417	0.418	0.418	3.0
2,4-Dichlorophenol		0.300	0.310	0.313	0.299	0.301	0.304	3.1
1,2,4-Trichlorobenzene		0.360	0.354	0.357	0.341	0.342	0.349	3.8
Benzoic acid			0.173	0.192	0.212	0.220	0.209	11.0
Naphthalene		1.138	1.125	1.126	1.067	1.090	1.099	3.9
4-Chloroaniline		0.371	0.375	0.377	0.361	0.358	0.365	2.7
Hexachlorobutadiene		0.239	0.235	0.244	0.232	0.233	0.235	3.4
Caprolactam		0.085	0.090	0.090	0.090	0.089	0.091	3.9
4-Chloro-3-methylphenol		0.342	0.347	0.347	0.338	0.332	0.342	1.7
2-Methylnaphthalene		0.744	0.734	0.740	0.721	0.700	0.727	2.1
Hexachlorocyclopentadiene			0.091	0.120	0.142	0.163	0.153	30.1
2,4,6-Trichlorophenol		0.348	0.339	0.386	0.364	0.357	0.376	9.7

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.: BF121624 SAS No.: BF121624 SDG No.: BF121624
Instrument ID: _____ Calibration Date(s): 12/16/2024
Calibration Time(s): 12:13

LAB FILE ID:		RRF2.5 = BF140855.D		RRF005 = BF140856.D		RRF010 = BF140857.D		
		RRF020 = BF140858.D		RRF040 = BF140859.D		RRF050 = BF140860.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.560	1.410	1.538	1.369	1.345	1.455	5.8
2,4,5-Trichlorophenol		0.413	0.365	0.426	0.397	0.395	0.414	8.3
1,1-Biphenyl		1.678	1.512	1.639	1.513	1.463	1.590	6.5
2-Chloronaphthalene		1.236	1.157	1.254	1.169	1.124	1.217	6.7
2-Nitroaniline		0.350	0.346	0.372	0.358	0.341	0.367	8.1
Dimethylphthalate		1.431	1.367	1.438	1.359	1.308	1.410	5.4
Acenaphthylene		1.874	1.821	1.880	1.734	1.696	1.788	4.1
2,6-Dinitrotoluene		0.320	0.317	0.328	0.312	0.303	0.322	5.1
3-Nitroaniline		0.322	0.316	0.328	0.316	0.325	0.320	2.3
Acenaphthene		1.228	1.190	1.166	1.113	1.100	1.142	5.2
2,4-Dinitrophenol			0.088	0.108	0.134	0.145	0.132	21.6
4-Nitrophenol			0.091	0.133	0.165	0.169	0.150	21.6
Dibenzofuran		1.920	1.876	1.830	1.728	1.705	1.770	6.5
2,4-Dinitrotoluene		0.435	0.438	0.440	0.419	0.421	0.424	4.1
Diethylphthalate		1.562	1.484	1.496	1.439	1.446	1.462	4.5
4-Chlorophenyl-phenylether		0.780	0.750	0.759	0.716	0.727	0.733	4.6
Fluorene		1.573	1.522	1.492	1.444	1.429	1.460	5.3
4-Nitroaniline		0.329	0.333	0.339	0.338	0.343	0.334	2.4
4,6-Dinitro-2-methylphenol			0.099	0.109	0.117	0.118	0.113	9.0
n-Nitrosodiphenylamine		0.639	0.679	0.644	0.599	0.592	0.615	7.9
Azobenzene		1.482	1.411	1.394	1.368	1.358	1.375	4.7
2,4,6-Tribromophenol		0.235	0.236	0.242	0.240	0.235	0.237	2.6
4-Bromophenyl-phenylether		0.225	0.248	0.236	0.220	0.214	0.224	8.0
Hexachlorobenzene		0.257	0.280	0.268	0.246	0.245	0.254	7.2
Atrazine		0.200	0.204	0.193	0.168	0.153	0.172	16.5
Pentachlorophenol			0.062	0.082	0.098	0.102	0.093	18.7
Phenanthrene		1.125	1.081	1.072	0.983	0.988	1.028	6.5
Anthracene		1.091	1.064	1.053	0.970	0.978	1.013	5.7
Carbazole		1.086	1.018	1.026	0.952	0.972	0.992	5.6
Di-n-butylphthalate		1.245	1.206	1.232	1.129	1.185	1.164	8.1
Fluoranthene		1.364	1.291	1.251	1.130	1.138	1.184	11.5
Benzidine			0.319	0.401	0.404	0.493	0.408	14.8
Pyrene		1.904	1.719	1.650	1.699	1.761	1.779	6.1
Terphenyl-d14		1.354	1.247	1.218	1.206	1.212	1.268	5.6
Butylbenzylphthalate		0.650	0.616	0.621	0.646	0.672	0.654	4.6
3,3-Dichlorobenzidine		0.429	0.427	0.449	0.412	0.432	0.428	4.1

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.: BF121624 SAS No.: BF121624 SDG No.: BF121624
Instrument ID: _____ Calibration Date(s): 12/16/2024
Calibration Time(s): 12:13

LAB FILE ID:		RRF2.5 = BF140855.D			RRF005 = BF140856.D		RRF010 = BF140857.D	
		RRF020 = BF140858.D			RRF040 = BF140859.D		RRF050 = BF140860.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.494	1.473	1.421	1.359	1.388	1.417	3.6
Chrysene		1.361	1.284	1.364	1.271	1.254	1.289	4.4
Bis(2-ethylhexyl)phthalate		0.804	0.807	0.875	0.821	0.855	0.844	4.0
Di-n-octyl phthalate		1.267	1.170	1.348	1.223	1.341	1.277	5.2
Benzo(b)fluoranthene		1.454	1.466	1.450	1.294	1.263	1.388	6.1
Benzo(k)fluoranthene		1.318	1.250	1.223	1.224	1.142	1.191	8.6
Benzo(a)pyrene		1.099	1.084	1.134	1.073	1.056	1.087	3.1
Indeno(1,2,3-cd)pyrene		1.130	1.174	1.330	1.269	1.109	1.248	8.9
Dibenzo(a,h)anthracene		0.913	0.986	1.092	1.058	0.918	1.034	9.3
Benzo(g,h,i)perylene		0.961	0.972	1.094	1.073	0.944	1.052	9.5
1,2,4,5-Tetrachlorobenzene		0.622	0.573	0.641	0.580	0.576	0.615	6.9
1,4-Dioxane		0.547	0.536	0.537	0.503	0.520	0.523	3.8
2,3,4,6-Tetrachlorophenol		0.297	0.312	0.345	0.354	0.356	0.337	7.0
1-Methylnaphthalene		0.758	0.743	0.716	0.706	0.686	0.719	3.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 11:41

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	77674	6.851	293537	8.13	179301	9.89
	UPPER LIMIT	155348	7.351	587074	8.628	358602	10.386
	LOWER LIMIT	38837	6.351	146768.5	7.628	89650.5	9.386
	EPA SAMPLE NO.						
01	PB165705BL	64872	6.85	228592	8.13	136709	9.89
02	PB165705BS	71247	6.85	255665	8.13	141292	9.89
03	TT-304-IDWSO-20241217-1	57889	6.85	220576	8.13	122567	9.89
04	OU4-VSL-12-121224	54430	6.85	210139	8.13	120116	9.89
05	OU4-VSL-11-121224	58015	6.85	219653	8.13	121595	9.89
06	OU4-VSL-11-121224MS	55385	6.85	209218	8.13	115521	9.89
07	OU4-VSL-11-121224MSD	45949	6.85	175670	8.13	102157	9.89
08	OU4-VSL-13-121224	53866	6.85	214632	8.13	122940	9.89
09	OU4-VSL-14-121224	50529	6.85	204987	8.13	120471	9.88
10	OU4-VSL-07-121224	48127	6.85	182875	8.13	107744	9.88
11	OU4-VSL-08-121224	51335	6.85	204800	8.13	121841	9.88
12	OU4-VSL-09-121224	47850	6.85	188298	8.13	108152	9.88
13	OU4-VSL-10-121224	49587	6.85	194335	8.13	109105	9.88
14	TP-5	48429	6.85	185251	8.13	108747	9.88
15	TP-5MS	59911	6.85	246060	8.13	146011	9.89
16	TP-5MSD	54541	6.85	203503	8.13	117560	9.89

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 18:32

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	77674	6.851	293537	8.13	179301	9.89
UPPER LIMIT	155348	7.351	587074	8.628	358602	10.386
LOWER LIMIT	38837	6.351	146768.5	7.628	89650.5	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.



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140942.D Time Analyzed: 11:41

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	74814	6.851	271589	8.13	162319	9.89
	UPPER LIMIT	149628	7.351	543178	8.634	324638	10.386
	LOWER LIMIT	37407	6.351	135794.5	7.634	81159.5	9.386
	EPA SAMPLE NO.						
01	PB165705BL	64872	6.85	228592	8.13	136709	9.89
02	PB165705BS	71247	6.85	255665	8.13	141292	9.89
03	TT-304-IDWSO-20241217-1	57889	6.85	220576	8.13	122567	9.89
04	OU4-VSL-12-121224	54430	6.85	210139	8.13	120116	9.89
05	OU4-VSL-11-121224	58015	6.85	219653	8.13	121595	9.89
06	OU4-VSL-11-121224MS	55385	6.85	209218	8.13	115521	9.89
07	OU4-VSL-11-121224MSD	45949	6.85	175670	8.13	102157	9.89
08	OU4-VSL-13-121224	53866	6.85	214632	8.13	122940	9.89
09	OU4-VSL-14-121224	50529	6.85	204987	8.13	120471	9.88
10	OU4-VSL-07-121224	48127	6.85	182875	8.13	107744	9.88
11	OU4-VSL-08-121224	51335	6.85	204800	8.13	121841	9.88
12	OU4-VSL-09-121224	47850	6.85	188298	8.13	108152	9.88
13	OU4-VSL-10-121224	49587	6.85	194335	8.13	109105	9.88
14	TP-5	48429	6.85	185251	8.13	108747	9.88
15	TP-5MS	59911	6.85	246060	8.13	146011	9.89
16	TP-5MSD	54541	6.85	203503	8.13	117560	9.89

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140942.D Time Analyzed: 18:32

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	74814	6.851	271589	8.13	162319	9.89
UPPER LIMIT	149628	7.351	543178	8.634	324638	10.386
LOWER LIMIT	37407	6.351	135794.5	7.634	81159.5	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.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 11:41

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	361848	11.375	241027	14.033	202727	15.545
	UPPER LIMIT	723696	11.875	482054	14.533	405454	16.045
	LOWER LIMIT	180924	10.875	120513.5	13.533	101363.5	15.045
	EPA SAMPLE NO.						
01	PB165705BL	270487	11.38	174504	14.03	118300	15.52
02	PB165705BS	237962	11.38	149220	14.03	113763	15.52
03	TT-304-IDWSO-20241217-1	209736	11.37	174197	14.03	135546	15.53
04	OU4-VSL-12-121224	210542	11.38	164330	14.03	118564	15.53
05	OU4-VSL-11-121224	255298	11.38	180413	14.03	133929	15.52
06	OU4-VSL-11-121224MS	219277	11.38	133308	14.03	114231	15.52
07	OU4-VSL-11-121224MSD	188148	11.38	131096	14.05	113765	15.56
08	OU4-VSL-13-121224	223066	11.37	167929	14.03	138716	15.55
09	OU4-VSL-14-121224	234289	11.37	182284	14.04	129207	15.56
10	OU4-VSL-07-121224	206471	11.38	165659	14.03	128346	15.52
11	OU4-VSL-08-121224	231777	11.37	149412	14.03	128778	15.52
12	OU4-VSL-09-121224	209762	11.37	160469	14.03	118975	15.52
13	OU4-VSL-10-121224	208663	11.38	159926	14.03	129368	15.52
14	TP-5	205721	11.38	163371	14.03	127175	15.52
15	TP-5MS	268415	11.38	164211	14.03	136462	15.54
16	TP-5MSD	214958	11.38	153902	14.03	129644	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140859.D Time Analyzed: 18:32

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	361848	11.375	241027	14.033	202727	15.545
UPPER LIMIT	723696	11.875	482054	14.533	405454	16.045
LOWER LIMIT	180924	10.875	120513.5	13.533	101363.5	15.045
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.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140942.D Time Analyzed: 11:41

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	282660	11.38	164316	14.033	129329	15.533
	UPPER LIMIT	565320	11.88	328632	14.533	258658	16.033
	LOWER LIMIT	141330	10.88	82158	13.533	64664.5	15.033
	EPA SAMPLE NO.						
01	PB165705BL	270487	11.38	174504	14.03	118300	15.52
02	PB165705BS	237962	11.38	149220	14.03	113763	15.52
03	TT-304-IDWSO-20241217-1	209736	11.37	174197	14.03	135546	15.53
04	OU4-VSL-12-121224	210542	11.38	164330	14.03	118564	15.53
05	OU4-VSL-11-121224	255298	11.38	180413	14.03	133929	15.52
06	OU4-VSL-11-121224MS	219277	11.38	133308	14.03	114231	15.52
07	OU4-VSL-11-121224MSD	188148	11.38	131096	14.05	113765	15.56
08	OU4-VSL-13-121224	223066	11.37	167929	14.03	138716	15.55
09	OU4-VSL-14-121224	234289	11.37	182284	14.04	129207	15.56
10	OU4-VSL-07-121224	206471	11.38	165659	14.03	128346	15.52
11	OU4-VSL-08-121224	231777	11.37	149412	14.03	128778	15.52
12	OU4-VSL-09-121224	209762	11.37	160469	14.03	118975	15.52
13	OU4-VSL-10-121224	208663	11.38	159926	14.03	129368	15.52
14	TP-5	205721	11.38	163371	14.03	127175	15.52
15	TP-5MS	268415	11.38	164211	14.03	136462	15.54
16	TP-5MSD	214958	11.38	153902	14.03	129644	15.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF122024 SAS No.: BF122024 SDG NO.: BF122024

EPA Sample No.: SSTDCCC040 Date Analyzed: Dec 20 2024 12:00AM

Lab File ID: BF140942.D Time Analyzed: 18:32

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	282660	11.38	164316	14.033	129329	15.533
UPPER LIMIT	565320	11.88	328632	14.533	258658	16.033
LOWER LIMIT	141330	10.88	82158	13.533	64664.5	15.033
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.: **BF122024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165705BS	n-Nitrosodimethylamine	1700	1300	ug/Kg	76				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	540	ug/Kg	32				10	133	
	Aniline	1700	1400	ug/Kg	82				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1700	ug/Kg	100		*		52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1800	ug/Kg	106		*		66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	2100	ug/Kg	124				46	141	
	bis(2-Chloroethoxy)methane	1700	1700	ug/Kg	100		*		66	97	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1100	ug/Kg	65				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	1200	ug/Kg	71				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1700	ug/Kg	100				60	104	
	Hexachlorocyclopentadiene	3300	2300	ug/Kg	70				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1800	ug/Kg	106		*		63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	Total PAH	27200	29900	ug/Kg	110		*		57	104	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF122024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB165705BS	4-Nitrophenol	3300	2400	ug/Kg	73				48	119	
	Dibenzofuran	1700	1700	ug/Kg	100		*		63	99	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3200	ug/Kg	94				60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1900	ug/Kg	112		*		71	99	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106		*		66	102	
	Hexachlorobenzene	1700	1800	ug/Kg	106		*		64	98	
	Atrazine	1700	2200	ug/Kg	129				47	152	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1900	ug/Kg	112		*		59	103	
	Anthracene	1700	2000	ug/Kg	118		*		61	105	
	Carbazole	1700	1900	ug/Kg	112		*		61	99	
	Di-n-butylphthalate	1700	1800	ug/Kg	106		*		58	104	
	Fluoranthene	1700	1900	ug/Kg	112		*		57	107	
	Benzidine	3300	1700	ug/Kg	52				10	98	
	Pyrene	1700	1900	ug/Kg	112		*		59	103	
	Butylbenzylphthalate	1700	2000	ug/Kg	118		*		55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1800	ug/Kg	106		*		60	102	
	Chrysene	1700	1800	ug/Kg	106		*		59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	2200	ug/Kg	129		*		63	101	
	Dibenz(a,h)anthracene	1700	2100	ug/Kg	124		*		61	112	
	Benzo(g,h,i)perylene	1700	2100	ug/Kg	124		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106		*		53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	
	1-Methylnaphthalene	1700	1600	ug/Kg	94				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165705BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122024

SAS No.: BF122024 SDG NO.: BF122024

Lab File ID: BF140943.D

Lab Sample ID: PB165705BL

Instrument ID: BNA_F

Date Extracted: 12/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/20/2024

Level: (low/med) LOW

Time Analyzed: 11:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165705BS	PB165705BS	BF140944.D	12/20/2024
TT-304-IDWSO-20241217-1	P5316-01	BF140945.D	12/20/2024
OU4-VSL-12-121224	P5306-11	BF140946.D	12/20/2024
OU4-VSL-11-121224	P5306-09	BF140947.D	12/20/2024
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024
OU4-VSL-13-121224	P5306-13	BF140950.D	12/20/2024
OU4-VSL-14-121224	P5306-15	BF140951.D	12/20/2024
OU4-VSL-07-121224	P5306-01	BF140952.D	12/20/2024
OU4-VSL-08-121224	P5306-03	BF140953.D	12/20/2024
OU4-VSL-09-121224	P5306-05	BF140954.D	12/20/2024
OU4-VSL-10-121224	P5306-07	BF140955.D	12/20/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TP-5

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF122024

SAS No.: BF122024 SDG NO.: BF122024

Lab File ID: BF140956.D

Lab Sample ID: P5330-04

Instrument ID: BNA_F

Date Extracted: 12/20/2024

Matrix: (soil/water) water

Date Analyzed: 12/20/2024

Level: (low/med) LOW

Time Analyzed: 17:40

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-5	P5330-04	BF140956.D	12/20/2024
TP-5MS	P5330-04MS	BF140957.D	12/20/2024
TP-5MSD	P5330-04MSD	BF140958.D	12/20/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5306-09MS		Client Sample ID: OU4-VSL-11-121224MS		DataFile: BF140948.D							
n-Nitrosodimethylamine	1800		1600	ug/Kg	89				66	124	
Pyridine	1800		1600	ug/Kg	89				45	119	
Benzaldehyde	1800		550	ug/Kg	31				10	86	
Aniline	1800		1400	ug/Kg	78				10	88	
Phenol	1800		2000	ug/Kg	111				67	126	
bis(2-Chloroethyl)ether	1800		1900	ug/Kg	106				54	125	
2-Chlorophenol	1800		2000	ug/Kg	111	*			79	107	
1,2-Dichlorobenzene	1800		1800	ug/Kg	100				61	105	
1,3-Dichlorobenzene	1800		1800	ug/Kg	100				62	101	
1,4-Dichlorobenzene	1800		1800	ug/Kg	100				63	104	
Benzyl Alcohol	1800		2000	ug/Kg	111				47	126	
2-Methylphenol	1800		1900	ug/Kg	106				66	122	
2,2-oxybis(1-Chloropropane)	1800		1800	ug/Kg	100				65	110	
Acetophenone	1800		1900	ug/Kg	106				75	111	
3+4-Methylphenols	1800		2000	ug/Kg	111	*			66	104	
N-Nitroso-di-n-propylamine	1800		1900	ug/Kg	106				59	119	
Hexachloroethane	1800		1700	ug/Kg	94				65	117	
Nitrobenzene	1800		1800	ug/Kg	100				70	119	
Isophorone	1800		1800	ug/Kg	100				76	122	
2-Nitrophenol	1800		2000	ug/Kg	111				54	145	
2,4-Dimethylphenol	1800		2300	ug/Kg	128				44	135	
bis(2-Chloroethoxy)methane	1800		1800	ug/Kg	100				68	112	
2,4-Dichlorophenol	1800		1900	ug/Kg	106				72	118	
1,2,4-Trichlorobenzene	1800		1700	ug/Kg	94				57	103	
Benzoic acid	1800		1300	ug/Kg	72				50	104	
Naphthalene	1800		1800	ug/Kg	100				72	110	
4-Chloroaniline	1800		810	ug/Kg	45				10	91	
Hexachlorobutadiene	1800		1600	ug/Kg	89				66	114	
Caprolactam	1800		2000	ug/Kg	111				51	134	
4-Chloro-3-methylphenol	1800		1700	ug/Kg	94				57	132	
2-Methylnaphthalene	1800		1700	ug/Kg	94				59	123	
Hexachlorocyclopentadiene	3500		1500	ug/Kg	43				10	175	
2,4,6-Trichlorophenol	1800		1800	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1800		1800	ug/Kg	100				72	117	
1,1-Biphenyl	1800		1800	ug/Kg	100				75	113	
2-Chloronaphthalene	1800		1800	ug/Kg	100				67	118	
2-Nitroaniline	1800		1800	ug/Kg	100				69	127	
Dimethylphthalate	1800		1800	ug/Kg	100				70	113	
Acenaphthylene	1800		2000	ug/Kg	111				79	118	
2,6-Dinitrotoluene	1800		1800	ug/Kg	100				70	125	
3-Nitroaniline	1800		1100	ug/Kg	61				30	99	
Acenaphthene	1800		1900	ug/Kg	106				70	121	
Total PAH	28800		31400	ug/Kg	109				70	121	
2,4-Dinitrophenol	3500		3400	ug/Kg	97				10	155	
4-Nitrophenol	3500		3000	ug/Kg	86				45	133	
Dibenzofuran	1800		1900	ug/Kg	106				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1800		1900	ug/Kg	106				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		3700	ug/Kg	103				55	128	
Diethylphthalate	1800		1700	ug/Kg	94				70	112	
4-Chlorophenyl-phenylether	1800		1800	ug/Kg	100				71	108	
Fluorene	1800		1800	ug/Kg	100				68	116	
4-Nitroaniline	1800		1800	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1800		2000	ug/Kg	111				10	160	
N-Nitrosodiphenylamine	1800		2000	ug/Kg	111				73	118	
Azobenzene	1800		1900	ug/Kg	106				73	110	
4-Bromophenyl-phenylether	1800		1800	ug/Kg	100				65	121	
Hexachlorobenzene	1800		1800	ug/Kg	100				67	118	
Atrazine	1800		2200	ug/Kg	122				79	127	
Pentachlorophenol	3500		2800	ug/Kg	80				47	128	
Phenanthrene	1800		2000	ug/Kg	111				52	128	
Anthracene	1800		1900	ug/Kg	106				62	124	
Carbazole	1800		1900	ug/Kg	106				59	119	
Di-n-butylphthalate	1800		1800	ug/Kg	100				69	118	
Fluoranthene	1800		1700	ug/Kg	94				44	125	
Benzydine	3500		1600	ug/Kg	46				10	119	
Pyrene	1800		2000	ug/Kg	111				26	142	
Butylbenzylphthalate	1800		1900	ug/Kg	106				64	126	
3,3-Dichlorobenzidine	1800		1000	ug/Kg	56				33	116	
Benzo(a)anthracene	1800		1900	ug/Kg	106				71	114	
Chrysene	1800		1800	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1800		1700	ug/Kg	94				42	169	
Di-n-octyl phthalate	1800		1500	ug/Kg	83				23	175	
Benzo(b)fluoranthene	1800		1700	ug/Kg	94				67	121	
Benzo(k)fluoranthene	1800		2000	ug/Kg	111				57	134	
Benzo(a)pyrene	1800		2000	ug/Kg	111				70	142	
Indeno(1,2,3-cd)pyrene	1800		2400	ug/Kg	133	*			40	129	
Dibenz(a,h)anthracene	1800		2300	ug/Kg	128	*			43	123	
Benzo(g,h,i)perylene	1800		2200	ug/Kg	122				24	125	
1,2,4,5-Tetrachlorobenzene	1800		1800	ug/Kg	100				69	124	
1,4-Dioxane	1800		1400	ug/Kg	78				46	112	
2,3,4,6-Tetrachlorophenol	1800		1900	ug/Kg	106				69	112	
1-Methylnaphthalene	1800		1600	ug/Kg	89				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5306-09MSD		Client Sample ID: OU4-VSL-11-121224MSD		DataFile: BF140949.D							
n-Nitrosodimethylamine	1800		1800	ug/Kg	100		12		66	124	20
Pyridine	1800		1700	ug/Kg	94		5		45	119	20
Benzaldehyde	1800		590	ug/Kg	33		6		10	86	20
Aniline	1800		1500	ug/Kg	83		6		10	88	20
Phenol	1800		2100	ug/Kg	117		5		67	126	20
bis(2-Chloroethyl)ether	1800		1900	ug/Kg	106		0		54	125	20
2-Chlorophenol	1800		2000	ug/Kg	111	*	0		79	107	20
1,2-Dichlorobenzene	1800		1900	ug/Kg	106	*	6		61	105	20
1,3-Dichlorobenzene	1800		1900	ug/Kg	106	*	6		62	101	20
1,4-Dichlorobenzene	1800		1900	ug/Kg	106	*	6		63	104	20
Benzyl Alcohol	1800		2000	ug/Kg	111		0		47	126	20
2-Methylphenol	1800		2000	ug/Kg	111		5		66	122	20
2,2-oxybis(1-Chloropropane)	1800		1900	ug/Kg	106		6		65	110	20
Acetophenone	1800		2000	ug/Kg	111		5		75	111	20
3+4-Methylphenols	1800		2000	ug/Kg	111	*	0		66	104	20
N-Nitroso-di-n-propylamine	1800		1900	ug/Kg	106		0		59	119	20
Hexachloroethane	1800		1800	ug/Kg	100		6		65	117	20
Nitrobenzene	1800		1800	ug/Kg	100		0		70	119	20
Isophorone	1800		1900	ug/Kg	106		6		76	122	20
2-Nitrophenol	1800		2000	ug/Kg	111		0		54	145	20
2,4-Dimethylphenol	1800		2300	ug/Kg	128		0		44	135	20
bis(2-Chloroethoxy)methane	1800		1800	ug/Kg	100		0		68	112	20
2,4-Dichlorophenol	1800		2000	ug/Kg	111		5		72	118	20
1,2,4-Trichlorobenzene	1800		1800	ug/Kg	100		6		57	103	20
Benzoic acid	1800		1400	ug/Kg	78		8		50	104	20
Naphthalene	1800		1900	ug/Kg	106		6		72	110	20
4-Chloroaniline	1800		780	ug/Kg	43		5		10	91	20
Hexachlorobutadiene	1800		1700	ug/Kg	94		5		66	114	20
Caprolactam	1800		2100	ug/Kg	117		5		51	134	20
4-Chloro-3-methylphenol	1800		1900	ug/Kg	106		12		57	132	20
2-Methylnaphthalene	1800		1900	ug/Kg	106		12		59	123	20
Hexachlorocyclopentadiene	3600		1500	ug/Kg	42		2		10	175	20
2,4,6-Trichlorophenol	1800		1900	ug/Kg	106		6		72	117	20
2,4,5-Trichlorophenol	1800		1800	ug/Kg	100		0		72	117	20
1,1-Biphenyl	1800		1900	ug/Kg	106		6		75	113	20
2-Chloronaphthalene	1800		1800	ug/Kg	100		0		67	118	20
2-Nitroaniline	1800		1900	ug/Kg	106		6		69	127	20
Dimethylphthalate	1800		1900	ug/Kg	106		6		70	113	20
Acenaphthylene	1800		2100	ug/Kg	117		5		79	118	20
2,6-Dinitrotoluene	1800		1800	ug/Kg	100		0		70	125	20
3-Nitroaniline	1800		1100	ug/Kg	61		0		30	99	20
Acenaphthene	1800		2000	ug/Kg	111		5		70	121	20
Total PAH	28800		33000	ug/Kg	115		5		70	121	20
2,4-Dinitrophenol	3600		3500	ug/Kg	97		0		10	155	20
4-Nitrophenol	3600		2900	ug/Kg	81		6		45	133	20
Dibenzofuran	1800		1900	ug/Kg	106		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1800		1900	ug/Kg	106		0		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	3600		3700	ug/Kg	103		0		55	128	20
Diethylphthalate	1800		1800	ug/Kg	100		6		70	112	20
4-Chlorophenyl-phenylether	1800		1800	ug/Kg	100		0		71	108	20
Fluorene	1800		1900	ug/Kg	106		6		68	116	20
4-Nitroaniline	1800		1800	ug/Kg	100		0		55	120	20
4,6-Dinitro-2-methylphenol	1800		2200	ug/Kg	122		9		10	160	20
N-Nitrosodiphenylamine	1800		2100	ug/Kg	117		5		73	118	20
Azobenzene	1800		2000	ug/Kg	111	*	5		73	110	20
4-Bromophenyl-phenylether	1800		2000	ug/Kg	111		10		65	121	20
Hexachlorobenzene	1800		2000	ug/Kg	111		10		67	118	20
Atrazine	1800		2500	ug/Kg	139	*	13		79	127	20
Pentachlorophenol	3600		3000	ug/Kg	83		4		47	128	20
Phenanthrene	1800		2100	ug/Kg	117		5		52	128	20
Anthracene	1800		2200	ug/Kg	122		14		62	124	20
Carbazole	1800		2100	ug/Kg	117		10		59	119	20
Di-n-butylphthalate	1800		1900	ug/Kg	106		6		69	118	20
Fluoranthene	1800		2000	ug/Kg	111		17		44	125	20
Benzydine	3600		1800	ug/Kg	50		8		10	119	20
Pyrene	1800		2000	ug/Kg	111		0		26	142	20
Butylbenzylphthalate	1800		1900	ug/Kg	106		0		64	126	20
3,3-Dichlorobenzidine	1800		1100	ug/Kg	61		9		33	116	20
Benzo(a)anthracene	1800		1900	ug/Kg	106		0		71	114	20
Chrysene	1800		1900	ug/Kg	106		6		57	121	20
bis(2-Ethylhexyl)phthalate	1800		1800	ug/Kg	100		6		42	169	20
Di-n-octyl phthalate	1800		1600	ug/Kg	89		7		23	175	20
Benzo(b)fluoranthene	1800		1900	ug/Kg	106		12		67	121	20
Benzo(k)fluoranthene	1800		2000	ug/Kg	111		0		57	134	20
Benzo(a)pyrene	1800		2100	ug/Kg	117		5		70	142	20
Indeno(1,2,3-cd)pyrene	1800		2400	ug/Kg	133	*	0		40	129	20
Dibenz(a,h)anthracene	1800		2400	ug/Kg	133	*	4		43	123	20
Benzo(g,h,i)perylene	1800		2200	ug/Kg	122		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1800		1900	ug/Kg	106		6		69	124	20
1,4-Dioxane	1800		1700	ug/Kg	94		19		46	112	20
2,3,4,6-Tetrachlorophenol	1800		2000	ug/Kg	111		5		69	112	20
1-Methylnaphthalene	1800		1800	ug/Kg	100		12		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5330-04MS		Client Sample ID: TP-5MS		DataFile: BF140957.D							
n-Nitrosodimethylamine	500		470	ug/L	94				10	130	
Pyridine	500		400	ug/L	80				10	109	
Benzaldehyde	500		130	ug/L	26				10	137	
Aniline	500		160	ug/L	32				10	130	
Phenol	500		500	ug/L	100				10	130	
bis(2-Chloroethyl)ether	500		540	ug/L	108				29	141	
2-Chlorophenol	500		550	ug/L	110				23	127	
1,2-Dichlorobenzene	500		490	ug/L	98				61	114	
1,3-Dichlorobenzene	500		480	ug/L	96				65	106	
1,4-Dichlorobenzene	500		490	ug/L	98				55	125	
Benzyl Alcohol	500		560	ug/L	112	*			31	94	
2-Methylphenol	500		550	ug/L	110				37	126	
2,2-oxybis(1-Chloropropane)	500		520	ug/L	104				36	141	
Acetophenone	500		510	ug/L	102				31	164	
3+4-Methylphenols	500		580	ug/L	116				31	127	
N-Nitroso-di-n-propylamine	500		540	ug/L	108				36	147	
Hexachloroethane	500		480	ug/L	96				49	110	
Nitrobenzene	500		480	ug/L	96				62	112	
Isophorone	500		540	ug/L	108				39	146	
2-Nitrophenol	500		550	ug/L	110				30	148	
2,4-Dimethylphenol	500		680	ug/L	136				17	143	
bis(2-Chloroethoxy)methane	500		520	ug/L	104				39	143	
2,4-Dichlorophenol	500		530	ug/L	106				22	146	
1,2,4-Trichlorobenzene	500		480	ug/L	96				66	110	
Benzoic acid	500		440	ug/L	88				10	101	
Naphthalene	500		520	ug/L	104				17	157	
4-Chloroaniline	500		150	ug/L	30				10	95	
Hexachlorobutadiene	500		470	ug/L	94				52	125	
Caprolactam	500		480	ug/L	96				10	130	
4-Chloro-3-methylphenol	500		520	ug/L	104				17	148	
2-Methylnaphthalene	500		500	ug/L	100				38	146	
Hexachlorocyclopentadiene	1000		530	ug/L	53				20	153	
2,4,6-Trichlorophenol	500		510	ug/L	102				78	112	
2,4,5-Trichlorophenol	500		500	ug/L	100				71	111	
1,1-Biphenyl	500		500	ug/L	100				38	154	
2-Chloronaphthalene	500		490	ug/L	98				41	145	
2-Nitroaniline	500		530	ug/L	106				39	151	
Dimethylphthalate	500		540	ug/L	108				42	147	
Acenaphthylene	500		570	ug/L	114				40	141	
2,6-Dinitrotoluene	500		520	ug/L	104				43	148	
3-Nitroaniline	500		200	ug/L	40				10	111	
Acenaphthene	500		550	ug/L	110				37	146	
Total PAH	8000		8920	ug/L	112				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		790	ug/L	79				10	130	
Dibenzofuran	500		510	ug/L	102				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1030	ug/L	103				50	142	
2,4-Dinitrotoluene	500		510	ug/L	102				50	142	
Diethylphthalate	500		510	ug/L	102				41	148	
4-Chlorophenyl-phenylether	500		510	ug/L	102				38	149	
Fluorene	500		520	ug/L	104				39	144	
4-Nitroaniline	500		490	ug/L	98				27	138	
4,6-Dinitro-2-methylphenol	500		610	ug/L	122				32	175	
N-Nitrosodiphenylamine	500		590	ug/L	118				40	150	
Azobenzene	500		500	ug/L	100				72	112	
4-Bromophenyl-phenylether	500		530	ug/L	106				42	151	
Hexachlorobenzene	500		530	ug/L	106				72	115	
Atrazine	500		670	ug/L	134				20	162	
Pentachlorophenol	1000		1100	ug/L	110				25	139	
Phenanthrene	500		570	ug/L	114				40	147	
Anthracene	500		590	ug/L	118				41	146	
Carbazole	500		570	ug/L	114				37	154	
Di-n-butylphthalate	500		490	ug/L	98				40	151	
Fluoranthene	500		490	ug/L	98				42	146	
Benzydine	1000		150	ug/L	15				10	130	
Pyrene	500		570	ug/L	114				41	149	
Butylbenzylphthalate	500		560	ug/L	112				39	155	
3,3-Dichlorobenzidine	500		180	ug/L	36				10	114	
Benzo(a)anthracene	500		550	ug/L	110				41	147	
Chrysene	500		520	ug/L	104				44	144	
bis(2-Ethylhexyl)phthalate	500		520	ug/L	104				33	160	
Di-n-octyl phthalate	500		470	ug/L	94				36	158	
Benzo(b)fluoranthene	500		510	ug/L	102				40	150	
Benzo(k)fluoranthene	500		540	ug/L	108				40	147	
Benzo(a)pyrene	500		580	ug/L	116				42	147	
Indeno(1,2,3-cd)pyrene	500		640	ug/L	128				30	166	
Dibenz(a,h)anthracene	500		630	ug/L	126				23	172	
Benzo(g,h,i)perylene	500		570	ug/L	114				27	167	
1,2,4,5-Tetrachlorobenzene	500		490	ug/L	98				89	102	
1,4-Dioxane	500		410	ug/L	82				38	130	
2,3,4,6-Tetrachlorophenol	500		570	ug/L	114	*			91	111	
1-Methylnaphthalene	500		480	ug/L	96				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P5330-04MSD		Client Sample ID: TP-5MSD					DataFile: BF140958.D				
n-Nitrosodimethylamine	500		500	ug/L	100		6		10	130	20
Pyridine	500		430	ug/L	86		7		10	109	20
Benzaldehyde	500		120	ug/L	24		8		10	137	20
Aniline	500		150	ug/L	30		6		10	130	20
Phenol	500		500	ug/L	100		0		10	130	20
bis(2-Chloroethyl)ether	500		520	ug/L	104		4		29	141	20
2-Chlorophenol	500		530	ug/L	106		4		23	127	20
1,2-Dichlorobenzene	500		490	ug/L	98		0		61	114	20
1,3-Dichlorobenzene	500		480	ug/L	96		0		65	106	20
1,4-Dichlorobenzene	500		480	ug/L	96		2		55	125	20
Benzyl Alcohol	500		560	ug/L	112	*	0		31	94	20
2-Methylphenol	500		550	ug/L	110		0		37	126	20
2,2-oxybis(1-Chloropropane)	500		510	ug/L	102		2		36	141	20
Acetophenone	500		540	ug/L	108		6		31	164	20
3+4-Methylphenols	500		550	ug/L	110		5		31	127	20
N-Nitroso-di-n-propylamine	500		520	ug/L	104		4		36	147	20
Hexachloroethane	500		470	ug/L	94		2		49	110	20
Nitrobenzene	500		510	ug/L	102		6		62	112	20
Isophorone	500		540	ug/L	108		0		39	146	20
2-Nitrophenol	500		570	ug/L	114		4		30	148	20
2,4-Dimethylphenol	500		680	ug/L	136		0		17	143	20
bis(2-Chloroethoxy)methane	500		520	ug/L	104		0		39	143	20
2,4-Dichlorophenol	500		540	ug/L	108		2		22	146	20
1,2,4-Trichlorobenzene	500		490	ug/L	98		2		66	110	20
Benzoic acid	500		440	ug/L	88		0		10	101	20
Naphthalene	500		510	ug/L	102		2		17	157	20
4-Chloroaniline	500		130	ug/L	26		14		10	95	20
Hexachlorobutadiene	500		470	ug/L	94		0		52	125	20
Caprolactam	500		500	ug/L	100		4		10	130	20
4-Chloro-3-methylphenol	500		540	ug/L	108		4		17	148	20
2-Methylnaphthalene	500		520	ug/L	104		4		38	146	20
Hexachlorocyclopentadiene	1000		570	ug/L	57		7		20	153	20
2,4,6-Trichlorophenol	500		520	ug/L	104		2		78	112	20
2,4,5-Trichlorophenol	500		490	ug/L	98		2		71	111	20
1,1-Biphenyl	500		520	ug/L	104		4		38	154	20
2-Chloronaphthalene	500		510	ug/L	102		4		41	145	20
2-Nitroaniline	500		530	ug/L	106		0		39	151	20
Dimethylphthalate	500		530	ug/L	106		2		42	147	20
Acenaphthylene	500		570	ug/L	114		0		40	141	20
2,6-Dinitrotoluene	500		500	ug/L	100		4		43	148	20
3-Nitroaniline	500		180	ug/L	36		11		10	111	20
Acenaphthene	500		540	ug/L	108		2		37	146	20
Total PAH	8000		8840	ug/L	111		1		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		0		14	167	20
4-Nitrophenol	1000		760	ug/L	76		4		10	130	20
Dibenzofuran	500		530	ug/L	106		4		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BF122024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1030	ug/L	103		0		50	142	20
2,4-Dinitrotoluene	500		530	ug/L	106		4		50	142	20
Diethylphthalate	500		500	ug/L	100		2		41	148	20
4-Chlorophenyl-phenylether	500		510	ug/L	102		0		38	149	20
Fluorene	500		520	ug/L	104		0		39	144	20
4-Nitroaniline	500		480	ug/L	96		2		27	138	20
4,6-Dinitro-2-methylphenol	500		600	ug/L	120		2		32	175	20
N-Nitrosodiphenylamine	500		580	ug/L	116		2		40	150	20
Azobenzene	500		490	ug/L	98		2		72	112	20
4-Bromophenyl-phenylether	500		540	ug/L	108		2		42	151	20
Hexachlorobenzene	500		550	ug/L	110		4		72	115	20
Atrazine	500		680	ug/L	136		1		20	162	20
Pentachlorophenol	1000		1000	ug/L	100		10		25	139	20
Phenanthrene	500		570	ug/L	114		0		40	147	20
Anthracene	500		600	ug/L	120		2		41	146	20
Carbazole	500		570	ug/L	114		0		37	154	20
Di-n-butylphthalate	500		530	ug/L	106		8		40	151	20
Fluoranthene	500		560	ug/L	112		13		42	146	20
Benidine	1000		160	ug/L	16		6		10	130	20
Pyrene	500		530	ug/L	106		7		41	149	20
Butylbenzylphthalate	500		550	ug/L	110		2		39	155	20
3,3-Dichlorobenzidine	500		190	ug/L	38		5		10	114	20
Benzo(a)anthracene	500		520	ug/L	104		6		41	147	20
Chrysene	500		530	ug/L	106		2		44	144	20
bis(2-Ethylhexyl)phthalate	500		520	ug/L	104		0		33	160	20
Di-n-octyl phthalate	500		480	ug/L	96		2		36	158	20
Benzo(b)fluoranthene	500		550	ug/L	110		8		40	150	20
Benzo(k)fluoranthene	500		500	ug/L	100		8		40	147	20
Benzo(a)pyrene	500		580	ug/L	116		0		42	147	20
Indeno(1,2,3-cd)pyrene	500		610	ug/L	122		5		30	166	20
Dibenz(a,h)anthracene	500		600	ug/L	120		5		23	172	20
Benzo(g,h,i)perylene	500		550	ug/L	110		4		27	167	20
1,2,4,5-Tetrachlorobenzene	500		530	ug/L	106	*	8		89	102	20
1,4-Dioxane	500		430	ug/L	86		5		38	130	20
2,3,4,6-Tetrachlorophenol	500		550	ug/L	110		4		91	111	20
1-Methylnaphthalene	500		490	ug/L	98		2		25	151	20

Surrogate Summary

SW-846

SDG No.: **BF122024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5306-01	OU4-VSL-07-1212:BF140952.D		2-Fluorophenol	150	96.63	64		18	112
			Phenol-d6	150	97.06	65		15	107
			Nitrobenzene-d5	100	63.97	64		18	107
			2-Fluorobiphenyl	100	62.63	63		20	109
			2,4,6-Tribromophenol	150	92.08	61		10	116
			Terphenyl-d14	100	55.85	56		10	105
P5306-03	OU4-VSL-08-1212:BF140953.D		2-Fluorophenol	150	160.73	107		18	112
			Phenol-d6	150	160.61	107		15	107
			Nitrobenzene-d5	100	105.89	106		18	107
			2-Fluorobiphenyl	100	96.79	97		20	109
			2,4,6-Tribromophenol	150	161.29	108		10	116
			Terphenyl-d14	100	104.59	105		10	105
P5306-05	OU4-VSL-09-1212:BF140954.D		2-Fluorophenol	150	173.18	115	*	18	112
			Phenol-d6	150	171.90	115	*	15	107
			Nitrobenzene-d5	100	111.05	111	*	18	107
			2-Fluorobiphenyl	100	107.11	107		20	109
			2,4,6-Tribromophenol	150	166.78	111		10	116
			Terphenyl-d14	100	91.49	91		10	105
P5306-07	OU4-VSL-10-1212:BF140955.D		2-Fluorophenol	150	159.78	107		18	112
			Phenol-d6	150	162.68	108	*	15	107
			Nitrobenzene-d5	100	104.72	105		18	107
			2-Fluorobiphenyl	100	106.81	107		20	109
			2,4,6-Tribromophenol	150	155.82	104		10	116
			Terphenyl-d14	100	101.54	102		10	105
P5306-09	OU4-VSL-11-1212:BF140947.D		2-Fluorophenol	150	106.46	71		18	112
			Phenol-d6	150	110.33	74		15	107
			Nitrobenzene-d5	100	73.45	73		18	107
			2-Fluorobiphenyl	100	73.33	73		20	109
			2,4,6-Tribromophenol	150	107.36	72		10	116
			Terphenyl-d14	100	60.70	61		10	105
P5306-09MS	OU4-VSL-11-1212:BF140948.D		2-Fluorophenol	150	131.41	88		18	112
			Phenol-d6	150	134.43	90		15	107
			Nitrobenzene-d5	100	89.01	89		18	107
			2-Fluorobiphenyl	100	83.95	84		20	109
			2,4,6-Tribromophenol	150	122.38	82		10	116
			Terphenyl-d14	100	91.05	91		10	105
P5306-09MSD	OU4-VSL-11-1212:BF140949.D		2-Fluorophenol	150	142.34	95		18	112
			Phenol-d6	150	140.35	94		15	107
			Nitrobenzene-d5	100	89.71	90		18	107
			2-Fluorobiphenyl	100	86.76	87		20	109
			2,4,6-Tribromophenol	150	134.30	90		10	116
			Terphenyl-d14	100	92.27	92		10	105
P5306-11	OU4-VSL-12-1212:BF140946.D		2-Fluorophenol	150	162.61	108		18	112
			Phenol-d6	150	164.60	110	*	15	107
			Nitrobenzene-d5	100	102.60	103		18	107
			2-Fluorobiphenyl	100	94.99	95		20	109
			2,4,6-Tribromophenol	150	145.48	97		10	116
			Terphenyl-d14	100	89.10	89		10	105
P5306-13	OU4-VSL-13-1212:BF140950.D		2-Fluorophenol	150	152.34	102		18	112

Surrogate Summary

SW-846

SDG No.: **BF122024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5306-13	OU4-VSL-13-1212:BF140950.D		Phenol-d6	150	153.05	102		15	107
			Nitrobenzene-d5	100	101.28	101		18	107
			2-Fluorobiphenyl	100	91.69	92		20	109
			2,4,6-Tribromophenol	150	139.43	93		10	116
			Terphenyl-d14	100	88.97	89		10	105
P5306-15	OU4-VSL-14-1212:BF140951.D		2-Fluorophenol	150	169.87	113	*	18	112
			Phenol-d6	150	172.54	115	*	15	107
			Nitrobenzene-d5	100	108.97	109	*	18	107
			2-Fluorobiphenyl	100	108.77	109		20	109
			2,4,6-Tribromophenol	150	169.63	113		10	116
P5316-01	TT-304-IDWSO-20BF140945.D		Terphenyl-d14	100	108.26	108	*	10	105
			2-Fluorophenol	150	92.60	62		18	112
			Phenol-d6	150	97.46	65		15	107
			Nitrobenzene-d5	100	59.02	59		18	107
			2-Fluorobiphenyl	100	56.23	56		20	109
PB165705BL	PB165705BL	BF140943.D	2,4,6-Tribromophenol	150	86.08	57		10	116
			Terphenyl-d14	100	47.97	48		10	105
			2-Fluorophenol	150	149.79	100		18	112
			Phenol-d6	150	153.18	102		15	107
			Nitrobenzene-d5	100	106.59	107		18	107
PB165705BS	PB165705BS	BF140944.D	2-Fluorobiphenyl	100	103.00	103		20	109
			2,4,6-Tribromophenol	150	145.68	97		10	116
			Terphenyl-d14	100	109.81	110	*	10	105
			2-Fluorophenol	150	143.39	96		18	112
			Phenol-d6	150	136.12	91		15	107
			Nitrobenzene-d5	100	91.61	92		18	107
			2-Fluorobiphenyl	100	105.27	105		20	109
			2,4,6-Tribromophenol	150	134.80	90		10	116
			Terphenyl-d14	100	120.52	121	*	10	105

Surrogate Summary

SW-846

SDG No.: **BF122024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5330-04	TP-5	BF140956.D	2-Fluorophenol	150	165.15	110		10	139
			Phenol-d6	150	159.45	106		10	134
			Nitrobenzene-d5	100	109.96	110		49	133
			2-Fluorobiphenyl	100	105.60	106		52	132
			2,4,6-Tribromophenol	150	169.73	113		44	137
			Terphenyl-d14	100	98.55	99		48	125
P5330-04MS	TP-5MS	BF140957.D	2-Fluorophenol	150	151.25	101		10	139
			Phenol-d6	150	147.09	98		10	134
			Nitrobenzene-d5	100	101.13	101		49	133
			2-Fluorobiphenyl	100	96.96	97		52	132
			2,4,6-Tribromophenol	150	147.67	98		44	137
			Terphenyl-d14	100	107.10	107		48	125
P5330-04MSD	TP-5MSD	BF140958.D	2-Fluorophenol	150	153.30	102		10	139
			Phenol-d6	150	144.93	97		10	134
			Nitrobenzene-d5	100	105.28	105		49	133
			2-Fluorobiphenyl	100	101.35	101		52	132
			2,4,6-Tribromophenol	150	154.77	103		44	137
			Terphenyl-d14	100	103.11	103		48	125

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF122024

Lab Code: CHEM

SAS No.: BF122024 SDG NO.: BF122024

Lab File ID: BF140941.D

DFTPP Injection Date: 12/20/2024

Instrument ID: BNA_F

DFTPP Injection Time: 09:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	30.2
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	42.1
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	6.2
275	10.0 - 60.0% of mass 198	28.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 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	BF140942.D	12/20/2024	11:15
PB165705BL	PB165705BL	BF140943.D	12/20/2024	11:41
PB165705BS	PB165705BS	BF140944.D	12/20/2024	12:07
TT-304-IDWSO-20241217-1	P5316-01	BF140945.D	12/20/2024	12:51
OU4-VSL-12-121224	P5306-11	BF140946.D	12/20/2024	13:18
OU4-VSL-11-121224	P5306-09	BF140947.D	12/20/2024	13:44
OU4-VSL-11-121224MS	P5306-09MS	BF140948.D	12/20/2024	14:10
OU4-VSL-11-121224MSD	P5306-09MSD	BF140949.D	12/20/2024	14:36
OU4-VSL-13-121224	P5306-13	BF140950.D	12/20/2024	15:02
OU4-VSL-14-121224	P5306-15	BF140951.D	12/20/2024	15:29
OU4-VSL-07-121224	P5306-01	BF140952.D	12/20/2024	15:55
OU4-VSL-08-121224	P5306-03	BF140953.D	12/20/2024	16:21
OU4-VSL-09-121224	P5306-05	BF140954.D	12/20/2024	16:48
OU4-VSL-10-121224	P5306-07	BF140955.D	12/20/2024	17:14
TP-5	P5330-04	BF140956.D	12/20/2024	17:40
TP-5MS	P5330-04MS	BF140957.D	12/20/2024	18:06
TP-5MSD	P5330-04MSD	BF140958.D	12/20/2024	18:32
SSTDCCC040EC	SSTDCCC040	BF140959.D	12/20/2024	19:24