

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP102924 SAS No.: BP102924 SDG No.: BP102924

Instrument ID: BNA_P Calibration Date/Time: 10/29/2024 : 17:28

Lab File ID: BP022714.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020687 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.553	0.503	0.010	-9.0884	40.0
Benzaldehyde	0.910	1.024	0.010	12.5133	40.0
Pyridine	1.449	1.469	0.010	1.4046	40.0
Phenol	1.752	1.764	0.080	0.7265	20.0
Bis(2-Chloroethyl)ether	1.311	1.286	0.100	-1.8927	20.0
2-Chlorophenol	1.235	1.301	0.200	5.3155	20.0
2-Methylphenol	1.271	1.266	0.010	-0.4268	20.0
2,2-oxybis(1-Chloropropane)	1.524	1.510	0.010	-0.8628	40.0
Acetophenone	2.218	2.310	0.060	4.1545	20.0
4-Methylphenol	1.410	1.447	0.010	2.6148	20.0
N-Nitroso-di-n-propylamine	1.124	1.221	0.050	8.6256	30.0
Hexachloroethane	0.575	0.654	0.100	13.6836	20.0
Nitrobenzene	0.459	0.489	0.050	6.4262	25.0
Isophorone	0.823	0.817	0.050	-0.729	25.0
2-Nitrophenol	0.192	0.200	0.050	4.4351	25.0
2,4-Dimethylphenol	0.417	0.453	0.050	8.6607	25.0
Bis(2-Chloroethoxy)methane	0.467	0.454	0.050	-2.9071	20.0
2,4-Dichlorophenol	0.373	0.416	0.060	11.6994	20.0
Naphthalene	1.065	1.125	0.200	5.6048	20.0
4-Chloroaniline	0.441	0.450	0.010	1.9744	40.0
Hexachlorobutadiene	0.314	0.366	0.040	16.4472	30.0
Caprolactam	0.120	0.115	0.010	-3.8885	40.0
4-Chloro-3-methylphenol	0.407	0.451	0.040	10.9534	25.0
1-Methylnaphthalene	0.798	0.888	0.100	11.2414	20.0
2-Methylnaphthalene	0.782	0.864	0.100	10.4496	20.0
Hexachlorocyclopentadiene	0.451	0.374	0.010	-17.0918	40.0
2,4,6-Trichlorophenol	0.465	0.466	0.090	0.1876	25.0
2,4,5-Trichlorophenol	0.495	0.502	0.100	1.3956	25.0
1,1-Biphenyl	1.442	1.377	0.200	-4.4627	20.0
2-Chloronaphthalene	1.180	1.172	0.300	-0.7215	20.0
2-Nitroaniline	0.352	0.355	0.050	0.7403	40.0
Dimethylphthalate	1.583	1.507	0.300	-4.8388	20.0
2,6-Dinitrotoluene	0.299	0.300	0.080	0.1821	30.0
Acenaphthylene	1.752	1.750	0.400	-0.0716	20.0
3-Nitroaniline	0.281	0.267	0.010	-5.0441	40.0
Acenaphthene	1.239	1.252	0.200	1.0422	20.0
2,4-Dinitrophenol	0.220	0.177	0.010	-19.5961	40.0
4-Nitrophenol	0.296	0.331	0.010	11.8579	40.0
Dibenzofuran	1.861	1.963	0.300	5.5212	20.0

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP102924 SAS No.: BP102924 SDG No.: BP102924

Instrument ID: BNA_P Calibration Date/Time: 10/29/2024 : 17:28

Lab File ID: BP022714.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020687 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.465	0.504	0.070	8.2933	30.0
Diethylphthalate	1.519	1.576	0.300	3.7673	20.0
Fluorene	1.516	1.643	0.200	8.3884	20.0
4-Chlorophenyl-phenylether	0.867	0.939	0.100	8.3567	20.0
4-Nitroaniline	0.283	0.297	0.010	5.0744	40.0
4,6-Dinitro-2-methylphenol	0.142	0.126	0.010	-11.1739	40.0
N-Nitrosodiphenylamine	0.536	0.530	0.050	-1.0038	20.0
1,2,4,5-Tetrachlorobenzene	0.740	0.713	0.100	-3.5492	20.0
4-Bromophenyl-phenylether	0.241	0.262	0.070	8.7602	20.0
Hexachlorobenzene	0.297	0.337	0.050	13.4049	25.0
Atrazine	0.223	0.237	0.010	6.6384	25.0
Pentachlorophenol	0.191	0.201	0.010	5.1747	40.0
Phenanthrene	1.070	1.127	0.200	5.3116	20.0
Pentachlorobenzene	0.337	0.353	0.050	4.8124	20.0
Anthracene	1.068	1.137	0.200	6.4416	20.0
1,2,3,4-Tetrachlorobenzene	0.305	0.288	0.050	-5.4004	20.0
Carbazole	0.945	0.987	0.050	4.4453	40.0
Di-n-butylphthalate	1.045	1.085	0.500	3.8077	25.0
Fluoranthene	1.216	1.162	0.400	-4.4684	25.0
Pyrene	1.303	1.259	0.400	-3.3627	25.0
Butylbenzylphthalate	0.454	0.427	0.100	-5.8893	40.0
3,3-Dichlorobenzidine	0.477	0.466	0.010	-2.2389	40.0
Benzo (a) anthracene	1.402	1.445	0.300	3.0894	30.0
Chrysene	1.300	1.357	0.200	4.3443	30.0
Bis(2-ethylhexyl)phthalate	0.651	0.644	0.200	-1.1751	40.0
Di-n-octyl phthalate	0.951	0.869	0.010	-8.6557	40.0
Benzo (b) fluoranthene	1.259	1.315	0.200	4.4418	25.0
Benzo (k) fluoranthene	1.233	1.247	0.200	1.1763	25.0
Benzo (a) pyrene	1.159	1.181	0.200	1.9287	20.0
Indeno (1,2,3-cd) pyrene	1.546	1.593	0.200	3.0285	25.0
Dibenzo (a,h) anthracene	1.252	1.297	0.200	3.563	30.0
Benzo (g,h,i) perylene	1.203	1.226	0.200	1.9321	30.0
2,3,4,6-Tetrachlorophenol	0.462	0.518	0.040	12.1514	20.0
1,4-Dioxane-d8	0.515	0.477	0.010	-7.2472	25.0
Pyridine-d5	1.413	1.475	0.010	4.4111	40.0
Phenol-d5	1.684	1.665	0.010	-1.0728	25.0
Bis- (2-Chloroethyl) ether-d8	0.989	1.003	0.050	1.3731	25.0
2-Chlorophenol-d4	1.195	1.267	0.200	6.0825	20.0
4-Methylphenol-d8	1.344	1.367	0.010	1.743	20.0

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Lab Code: CHEM Case No.: BP102924 SAS No.: BP102924 SDG No.: BP102924

Instrument ID: BNA_P Calibration Date/Time: 10/29/2024 : 17:28

Lab File ID: BP022714.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020687 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.158	0.050	2.8082	20.0
2-Nitrophenol-d4	0.178	0.187	0.050	5.2732	30.0
2,4-Dichlorophenol-d3	0.378	0.414	0.060	9.3787	20.0
4-Chloroaniline-d4	0.447	0.454	0.010	1.4679	40.0
Dimethylphthalate-d6	1.589	1.521	0.300	-4.3017	20.0
Acenaphthylene-d8	1.688	1.667	0.400	-1.2035	20.0
4-Nitrophenol-d4	0.267	0.238	0.010	-10.6117	40.0
Fluorene-d10	1.378	1.447	0.100	5.0168	20.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.118	0.010	-10.0872	40.0
Anthracene-d10	0.941	0.989	0.300	5.1118	20.0
Pyrene-d10	1.058	1.020	0.300	-3.5645	25.0
Benzo(a)pyrene-d12	1.068	1.112	0.010	4.1486	20.0

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.: BP102924 SAS No.: BP102924 SDG No.: BP102924

Instrument ID: BNA_P Calibration Date/Time: 10/30/2024 : 02:12

Lab File ID: BP022727.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020688 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.553	0.489	0.010	-11.6767	50.0
Benzaldehyde	0.910	1.009	0.010	10.902	50.0
Pyridine	1.449	1.397	0.010	-3.5773	50.0
Phenol	1.752	1.753	0.080	0.0883	50.0
Bis(2-Chloroethyl)ether	1.311	1.323	0.100	0.954	50.0
2-Chlorophenol	1.235	1.316	0.200	6.5734	50.0
2-Methylphenol	1.271	1.302	0.010	2.4298	50.0
2,2-oxybis(1-Chloropropane)	1.524	1.512	0.010	-0.7472	50.0
Acetophenone	2.218	2.261	0.060	1.9317	50.0
4-Methylphenol	1.410	1.435	0.010	1.7311	50.0
N-Nitroso-di-n-propylamine	1.124	1.156	0.050	2.8878	50.0
Hexachloroethane	0.575	0.602	0.100	4.6148	50.0
Nitrobenzene	0.459	0.466	0.050	1.4391	50.0
Isophorone	0.823	0.825	0.050	0.295	50.0
2-Nitrophenol	0.192	0.205	0.050	6.9687	50.0
2,4-Dimethylphenol	0.417	0.448	0.050	7.3874	50.0
Bis(2-Chloroethoxy)methane	0.467	0.460	0.050	-1.5162	50.0
2,4-Dichlorophenol	0.373	0.412	0.060	10.6438	50.0
Naphthalene	1.065	1.118	0.200	4.9304	50.0
4-Chloroaniline	0.441	0.451	0.010	2.2152	50.0
Hexachlorobutadiene	0.314	0.343	0.040	9.3649	50.0
Caprolactam	0.120	0.114	0.010	-4.9682	50.0
4-Chloro-3-methylphenol	0.407	0.438	0.040	7.6156	50.0
1-Methylnaphthalene	0.798	0.850	0.100	6.4505	50.0
2-Methylnaphthalene	0.782	0.842	0.100	7.7224	50.0
Hexachlorocyclopentadiene	0.451	0.359	0.010	-20.3437	50.0
2,4,6-Trichlorophenol	0.465	0.501	0.090	7.6621	50.0
2,4,5-Trichlorophenol	0.495	0.539	0.100	8.7306	50.0
1,1-Biphenyl	1.442	1.489	0.200	3.3222	50.0
2-Chloronaphthalene	1.180	1.236	0.300	4.7659	50.0
2-Nitroaniline	0.352	0.347	0.050	-1.5223	50.0
Dimethylphthalate	1.583	1.582	0.300	-0.0762	50.0
2,6-Dinitrotoluene	0.299	0.314	0.080	4.7097	50.0
Acenaphthylene	1.752	1.833	0.400	4.6737	50.0
3-Nitroaniline	0.281	0.284	0.010	0.8299	50.0
Acenaphthene	1.239	1.300	0.200	4.944	50.0
2,4-Dinitrophenol	0.220	0.158	0.010	-28.5102	50.0
4-Nitrophenol	0.296	0.283	0.010	-4.1993	50.0
Dibenzofuran	1.861	1.927	0.300	3.5603	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP102924 SAS No.: BP102924 SDG No.: BP102924

Instrument ID: BNA_P Calibration Date/Time: 10/30/2024 : 02:12

Lab File ID: BP022727.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020688 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.465	0.487	0.070	4.5388	50.0
Diethylphthalate	1.519	1.512	0.300	-0.4365	50.0
Fluorene	1.516	1.554	0.200	2.4897	50.0
4-Chlorophenyl-phenylether	0.867	0.902	0.100	4.0787	50.0
4-Nitroaniline	0.283	0.298	0.010	5.3011	50.0
4,6-Dinitro-2-methylphenol	0.142	0.124	0.010	-12.6107	50.0
N-Nitrosodiphenylamine	0.536	0.557	0.050	3.9883	50.0
1,2,4,5-Tetrachlorobenzene	0.740	0.790	0.100	6.8898	50.0
4-Bromophenyl-phenylether	0.241	0.258	0.070	6.9691	50.0
Hexachlorobenzene	0.297	0.320	0.050	7.6554	50.0
Atrazine	0.223	0.230	0.010	3.5148	50.0
Pentachlorophenol	0.191	0.195	0.010	2.1035	50.0
Phenanthrene	1.070	1.093	0.200	2.1873	50.0
Pentachlorobenzene	0.337	0.366	0.050	8.5945	50.0
Anthracene	1.068	1.083	0.200	1.419	50.0
1,2,3,4-Tetrachlorobenzene	0.305	0.332	0.050	9.1	50.0
Carbazole	0.945	0.934	0.050	-1.1067	50.0
Di-n-butylphthalate	1.045	1.055	0.500	0.889	50.0
Fluoranthene	1.216	1.325	0.400	8.9384	50.0
Pyrene	1.303	1.401	0.400	7.5142	50.0
Butylbenzylphthalate	0.454	0.476	0.100	4.8798	50.0
3,3-Dichlorobenzidine	0.477	0.462	0.010	-3.126	50.0
Benzo (a) anthracene	1.402	1.431	0.300	2.0593	50.0
Chrysene	1.300	1.343	0.200	3.3059	50.0
Bis(2-ethylhexyl)phthalate	0.651	0.664	0.200	1.9309	50.0
Di-n-octyl phthalate	0.951	0.923	0.010	-2.9808	50.0
Benzo (b) fluoranthene	1.259	1.330	0.200	5.6235	50.0
Benzo (k) fluoranthene	1.233	1.260	0.200	2.2557	50.0
Benzo (a) pyrene	1.159	1.175	0.200	1.3757	50.0
Indeno (1,2,3-cd) pyrene	1.546	1.613	0.200	4.2917	50.0
Dibenzo (a,h) anthracene	1.252	1.295	0.200	3.4624	50.0
Benzo (g,h,i) perylene	1.203	1.229	0.200	2.1645	50.0
2,3,4,6-Tetrachlorophenol	0.462	0.497	0.040	7.5912	50.0
1,4-Dioxane-d8	0.515	0.475	0.010	-7.7905	50.0
Pyridine-d5	1.413	1.371	0.010	-2.9779	50.0
Phenol-d5	1.684	1.695	0.010	0.6552	50.0
Bis- (2-Chloroethyl) ether-d8	0.989	0.969	0.050	-2.0408	50.0
2-Chlorophenol-d4	1.195	1.284	0.200	7.4794	50.0
4-Methylphenol-d8	1.344	1.394	0.010	3.7398	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP102924 SAS No.: BP102924 SDG No.: BP102924

Instrument ID: BNA_P Calibration Date/Time: 10/30/2024 : 02:12

Lab File ID: BP022727.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020688 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.164	0.050	6.8318	50.0
2-Nitrophenol-d4	0.178	0.197	0.050	10.6921	50.0
2,4-Dichlorophenol-d3	0.378	0.426	0.060	12.5444	50.0
4-Chloroaniline-d4	0.447	0.448	0.010	0.2216	50.0
Dimethylphthalate-d6	1.589	1.598	0.300	0.5354	50.0
Acenaphthylene-d8	1.688	1.775	0.400	5.1727	50.0
4-Nitrophenol-d4	0.267	0.248	0.010	-6.8897	50.0
Fluorene-d10	1.378	1.443	0.100	4.6679	50.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.111	0.010	-15.492	50.0
Anthracene-d10	0.941	0.968	0.300	2.9305	50.0
Pyrene-d10	1.058	1.146	0.300	8.3268	50.0
Benzo(a)pyrene-d12	1.068	1.107	0.010	3.6654	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SBLK416	SDG No.:	BP102924
Lab Sample ID:	PB164416BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022715.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11	U	11	6.6	67	ug/Kg
100-52-7	Benzaldehyde	45	U	45	82.5	330	ug/Kg
110-86-1	Pyridine	33	U	33	170	330	ug/Kg
108-95-2	Phenol	43	U	43	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	23	U	23	42.5	170	ug/Kg
95-48-7	2-Methylphenol	39	U	39	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60	U	60	82.5	330	ug/Kg
98-86-2	Acetophenone	40	U	40	82.5	330	ug/Kg
106-44-5	4-Methylphenol	37	U	37	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	51	U	51	42.5	170	ug/Kg
67-72-1	Hexachloroethane	18	U	18	42.5	170	ug/Kg
98-95-3	Nitrobenzene	31	U	31	42.5	170	ug/Kg
78-59-1	Isophorone	48	U	48	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	31	U	31	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	25	U	25	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	16	U	16	42.5	170	ug/Kg
91-20-3	Naphthalene	25	U	25	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	24	U	24	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	44	U	44	42.5	170	ug/Kg
105-60-2	Caprolactam	72	U	72	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	33	U	33	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	23	U	23	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	95	U	95	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39	U	39	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SBLK416	SDG No.:	BP102924
Lab Sample ID:	PB164416BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022715.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	24	U	24	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	26	U	26	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	41	U	41	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	29	U	29	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	44	U	44	42.5	170	ug/Kg
208-96-8	Acenaphthylene	32	U	32	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	44	U	44	82.5	330	ug/Kg
83-32-9	Acenaphthene	29	U	29	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	48	U	48	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	32	U	32	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	42.5	170	ug/Kg
84-66-2	Diethylphthalate	30	U	30	42.5	170	ug/Kg
86-73-7	Fluorene	25	U	25	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	31	U	31	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77	U	77	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	33	U	33	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	24	U	24	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29	U	29	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	32	U	32	42.5	170	ug/Kg
1912-24-9	Atrazine	71	U	71	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	74	U	74	82.5	330	ug/Kg
85-01-8	Phenanthrene	29	U	29	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	52	U	52	42.5	170	ug/Kg
120-12-7	Anthracene	25	U	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	50	U	50	42.5	170	ug/Kg
86-74-8	Carbazole	28	U	28	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	61	U	61	42.5	170	ug/Kg
206-44-0	Fluoranthene	54	U	54	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SBLK416	SDG No.:	BP102924
Lab Sample ID:	PB164416BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022715.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	49	U	49	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	84	U	84	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	48	U	48	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	27	U	27	42.5	170	ug/Kg
218-01-9	Chrysene	31	U	31	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96	U	96	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	76	U	76	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	33	U	33	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	32	U	32	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	31	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28	U	28	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	26	U	26	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33	U	33	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.219		15-120		65	SPK: -8
7291-22-7	Pyridine-d5	24.944		20-120		62	SPK: -40
4165-62-2	Phenol-d5	25.483		10-130		64	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	24.895		10-150		62	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.247		15-120		66	SPK: -40
190780-66-6	4-Methylphenol-d8	25.481		10-140		64	SPK: -40
4165-60-0	Nitrobenzene-d5	26.124		10-135		65	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.13		10-120		68	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.74		10-140		64	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.694		1-145		64	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.37		10-145		66	SPK: -40
93951-97-4	Acenaphthylene-d8	26.045		15-120		65	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.934		10-150		52	SPK: -40
81103-79-9	Fluorene-d10	26.504		20-140		66	SPK: -40

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SBLK416	SDG No.:	BP102924
Lab Sample ID:	PB164416BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022715.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.807		10-130		45	SPK: -40
1719-06-8	Anthracene-d10	26.698		10-150		67	SPK: -40
1718-52-1	Pyrene-d10	28.583		10-130		71	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.964		10-140		72	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73627	7.64				
1146-65-2	Naphthalene-d8	283664	10.393				
15067-26-2	Acenaphthene-d10	228749	14.251				
1517-22-2	Phenanthrene-d10	558406	17.057				
1719-03-5	Chrysene-d12	587447	21.504				
1520-96-3	Perylene-d12	651713	24.757				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	24	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MS	SDG No.:	BP102924
Lab Sample ID:	P4492-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BP022716.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1500		36	21.7	220	ug/Kg
100-52-7	Benzaldehyde	810	J	150	270	1100	ug/Kg
110-86-1	Pyridine	3900		110	540	1100	ug/Kg
108-95-2	Phenol	4400		140	270	1100	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	4000		130	270	1100	ug/Kg
95-57-8	2-Chlorophenol	4400		76	140	560	ug/Kg
95-48-7	2-Methylphenol	4200		130	270	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3900		200	270	1100	ug/Kg
98-86-2	Acetophenone	4100		130	270	1100	ug/Kg
106-44-5	4-Methylphenol	4200		120	270	1100	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	4200		170	140	560	ug/Kg
67-72-1	Hexachloroethane	4400		59	140	560	ug/Kg
98-95-3	Nitrobenzene	4200		100	140	560	ug/Kg
78-59-1	Isophorone	4100		160	140	560	ug/Kg
88-75-5	2-Nitrophenol	4400		100	140	560	ug/Kg
105-67-9	2,4-Dimethylphenol	4300		82	140	560	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	4100		140	140	560	ug/Kg
120-83-2	2,4-Dichlorophenol	4600		53	140	560	ug/Kg
91-20-3	Naphthalene	4300		82	140	560	ug/Kg
106-47-8	4-Chloroaniline	2600		79	140	1100	ug/Kg
87-68-3	Hexachlorobutadiene	4500		140	140	560	ug/Kg
105-60-2	Caprolactam	4100		240	270	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4700		160	140	560	ug/Kg
90-12-0	1-Methylnaphthalene	4400		110	140	560	ug/Kg
91-57-6	2-Methylnaphthalene	4500		76	140	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2600		310	270	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4400		160	140	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4600		130	140	560	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MS	SDG No.:	BP102924
Lab Sample ID:	P4492-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022716.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	4100		79	140	560	ug/Kg
91-58-7	2-Chloronaphthalene	4100		86	140	560	ug/Kg
88-74-4	2-Nitroaniline	4300		140	140	560	ug/Kg
131-11-3	Dimethylphthalate	4100		96	140	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	4500		140	140	560	ug/Kg
208-96-8	Acenaphthylene	4200		110	140	560	ug/Kg
99-09-2	3-Nitroaniline	4100		140	270	1100	ug/Kg
83-32-9	Acenaphthene	4300		96	140	560	ug/Kg
51-28-5	2,4-Dinitrophenol	3900		160	270	1100	ug/Kg
100-02-7	4-Nitrophenol	4500		140	270	1100	ug/Kg
132-64-9	Dibenzofuran	4400		110	140	560	ug/Kg
121-14-2	2,4-Dinitrotoluene	4700		140	140	560	ug/Kg
84-66-2	Diethylphthalate	4400		99	140	560	ug/Kg
86-73-7	Fluorene	4400		82	140	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4500		66	140	560	ug/Kg
100-01-6	4-Nitroaniline	4900		100	270	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3800		250	270	1100	ug/Kg
86-30-6	N-Nitrosodiphenylamine	4100		110	140	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4200		79	140	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4400		96	140	560	ug/Kg
118-74-1	Hexachlorobenzene	4400		110	140	560	ug/Kg
1912-24-9	Atrazine	4500		230	270	1100	ug/Kg
87-86-5	Pentachlorophenol	4500		240	270	1100	ug/Kg
85-01-8	Phenanthrene	4300		96	140	560	ug/Kg
608-93-5	Pentachlorobenzene	4100		170	140	560	ug/Kg
120-12-7	Anthracene	4300		82	140	560	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	4000		160	140	560	ug/Kg
86-74-8	Carbazole	4200		92	270	1100	ug/Kg
84-74-2	Di-n-butylphthalate	4300		200	140	560	ug/Kg
206-44-0	Fluoranthene	4400		180	270	560	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MS	SDG No.:	BP102924
Lab Sample ID:	P4492-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	500 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
BP022716.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	4400		160	140	560	ug/Kg
85-68-7	Butylbenzylphthalate	4300		280	140	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3400		160	270	1100	ug/Kg
56-55-3	Benzo(a)anthracene	4300		89	140	560	ug/Kg
218-01-9	Chrysene	4300		100	140	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4200		320	140	560	ug/Kg
117-84-0	Di-n-octyl phthalate	4300		250	270	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	4400		110	140	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	4400		130	140	560	ug/Kg
50-32-8	Benzo(a)pyrene	4400		110	140	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4400		100	140	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4300		92	140	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4400		86	140	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4700		110	140	560	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.126		15-120		52	SPK: -8
7291-22-7	Pyridine-d5	20.938		20-120		52	SPK: -40
4165-62-2	Phenol-d5	25.932		10-130		65	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	24.511		10-150		61	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.482		15-120		66	SPK: -40
190780-66-6	4-Methylphenol-d8	26.761		10-140		67	SPK: -40
4165-60-0	Nitrobenzene-d5	26.678		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.711		10-120		69	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.842		10-140		75	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.438		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.04		10-145		68	SPK: -40
93951-97-4	Acenaphthylene-d8	26.732		15-120		67	SPK: -40
93951-79-2	4-Nitrophenol-d4	24.545		10-150		61	SPK: -40
81103-79-9	Fluorene-d10	28.666		20-140		72	SPK: -40

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MS	SDG No.:	BP102924
Lab Sample ID:	P4492-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.05 Units: g	Final Vol:	500 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
BP022716.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.522		10-130		61	SPK: -40
1719-06-8	Anthracene-d10	28.946		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	28.204		10-130		71	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.495		10-140		74	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68025	7.64				
1146-65-2	Naphthalene-d8	267269	10.399				
15067-26-2	Acenaphthene-d10	229003	14.257				
1517-22-2	Phenanthrene-d10	599884	17.075				
1719-03-5	Chrysene-d12	703094	21.498				
1520-96-3	Perylene-d12	836622	24.739				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	79	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MSD	SDG No.:	BP102924
Lab Sample ID:	P4492-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022717.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1300		36	21.8	220	ug/Kg
100-52-7	Benzaldehyde	700	J	150	270	1100	ug/Kg
110-86-1	Pyridine	3300		110	540	1100	ug/Kg
108-95-2	Phenol	3900		140	270	1100	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	3600		130	270	1100	ug/Kg
95-57-8	2-Chlorophenol	3900		76	140	560	ug/Kg
95-48-7	2-Methylphenol	3900		130	270	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	3600		200	270	1100	ug/Kg
98-86-2	Acetophenone	3700		130	270	1100	ug/Kg
106-44-5	4-Methylphenol	3900		120	270	1100	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	3700		170	140	560	ug/Kg
67-72-1	Hexachloroethane	3800		59	140	560	ug/Kg
98-95-3	Nitrobenzene	3700		100	140	560	ug/Kg
78-59-1	Isophorone	3700		160	140	560	ug/Kg
88-75-5	2-Nitrophenol	3900		100	140	560	ug/Kg
105-67-9	2,4-Dimethylphenol	3800		82	140	560	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	3600		140	140	560	ug/Kg
120-83-2	2,4-Dichlorophenol	4100		53	140	560	ug/Kg
91-20-3	Naphthalene	3800		82	140	560	ug/Kg
106-47-8	4-Chloroaniline	2200		79	140	1100	ug/Kg
87-68-3	Hexachlorobutadiene	3800		150	140	560	ug/Kg
105-60-2	Caprolactam	3600		240	270	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4000		160	140	560	ug/Kg
90-12-0	1-Methylnaphthalene	3700		110	140	560	ug/Kg
91-57-6	2-Methylnaphthalene	3900		76	140	560	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300		310	270	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4000		160	140	560	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4100		130	140	560	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MSD	SDG No.:	BP102924
Lab Sample ID:	P4492-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	500 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
BP022717.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	3800		79	140	560	ug/Kg
91-58-7	2-Chloronaphthalene	3800		86	140	560	ug/Kg
88-74-4	2-Nitroaniline	3800		140	140	560	ug/Kg
131-11-3	Dimethylphthalate	3600		96	140	560	ug/Kg
606-20-2	2,6-Dinitrotoluene	4100		150	140	560	ug/Kg
208-96-8	Acenaphthylene	3700		110	140	560	ug/Kg
99-09-2	3-Nitroaniline	3700		150	270	1100	ug/Kg
83-32-9	Acenaphthene	3800		96	140	560	ug/Kg
51-28-5	2,4-Dinitrophenol	3300		160	270	1100	ug/Kg
100-02-7	4-Nitrophenol	3700		150	270	1100	ug/Kg
132-64-9	Dibenzofuran	3800		110	140	560	ug/Kg
121-14-2	2,4-Dinitrotoluene	3900		140	140	560	ug/Kg
84-66-2	Diethylphthalate	3700		99	140	560	ug/Kg
86-73-7	Fluorene	3800		82	140	560	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	3800		66	140	560	ug/Kg
100-01-6	4-Nitroaniline	4100		100	270	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	3600		250	270	1100	ug/Kg
86-30-6	N-Nitrosodiphenylamine	3900		110	140	560	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	3900		79	140	560	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4100		96	140	560	ug/Kg
118-74-1	Hexachlorobenzene	4100		110	140	560	ug/Kg
1912-24-9	Atrazine	4000		230	270	1100	ug/Kg
87-86-5	Pentachlorophenol	3900		240	270	1100	ug/Kg
85-01-8	Phenanthrene	3900		96	140	560	ug/Kg
608-93-5	Pentachlorobenzene	3900		170	140	560	ug/Kg
120-12-7	Anthracene	3800		82	140	560	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	4000		160	140	560	ug/Kg
86-74-8	Carbazole	3700		92	270	1100	ug/Kg
84-74-2	Di-n-butylphthalate	3900		200	140	560	ug/Kg
206-44-0	Fluoranthene	4300		180	270	560	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MSD	SDG No.:	BP102924
Lab Sample ID:	P4492-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022717.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	4100		160	140	560	ug/Kg
85-68-7	Butylbenzylphthalate	4000		280	140	560	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3100		160	270	1100	ug/Kg
56-55-3	Benzo(a)anthracene	3900		89	140	560	ug/Kg
218-01-9	Chrysene	3900		100	140	560	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4100		320	140	560	ug/Kg
117-84-0	Di-n-octyl phthalate	4000		250	270	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	4100		110	140	560	ug/Kg
207-08-9	Benzo(k)fluoranthene	3900		130	140	560	ug/Kg
50-32-8	Benzo(a)pyrene	3900		110	140	560	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4000		100	140	560	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3900		92	140	560	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3900		86	140	560	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4000		110	140	560	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.548		15-120		44	SPK: -8
7291-22-7	Pyridine-d5	18.183		20-120		45	SPK: -40
4165-62-2	Phenol-d5	23.445		10-130		59	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.768		10-150		54	SPK: -40
93951-73-6	2-Chlorophenol-d4	24.205		15-120		61	SPK: -40
190780-66-6	4-Methylphenol-d8	24.1		10-140		60	SPK: -40
4165-60-0	Nitrobenzene-d5	23.25		10-135		58	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.96		10-120		62	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.888		10-140		65	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.228		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.408		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	23.871		15-120		60	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.101		10-150		53	SPK: -40
81103-79-9	Fluorene-d10	24.772		20-140		62	SPK: -40

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F29MSD	SDG No.:	BP102924
Lab Sample ID:	P4492-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	69.7
Sample Wt/Vol:	30.03 Units: g	Final Vol:	500 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
BP022717.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	23.336		10-130		58	SPK: -40
1719-06-8	Anthracene-d10	25.739		10-150		64	SPK: -40
1718-52-1	Pyrene-d10	26.916		10-130		67	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.596		10-140		66	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	101306	7.64				
1146-65-2	Naphthalene-d8	397543	10.393				
15067-26-2	Acenaphthene-d10	315068	14.257				
1517-22-2	Phenanthrene-d10	747758	17.069				
1719-03-5	Chrysene-d12	765333	21.51				
1520-96-3	Perylene-d12	876554	24.757				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	79	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F30	SDG No.:	BP102924
Lab Sample ID:	P4492-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022718.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	11.6	120	ug/Kg
100-52-7	Benzaldehyde	79	U	79	140	580	ug/Kg
110-86-1	Pyridine	58	U	58	290	580	ug/Kg
108-95-2	Phenol	75	U	75	140	580	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	70	U	70	140	580	ug/Kg
95-57-8	2-Chlorophenol	40	U	40	74.6	300	ug/Kg
95-48-7	2-Methylphenol	68	U	68	140	580	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	140	580	ug/Kg
98-86-2	Acetophenone	70	U	70	140	580	ug/Kg
106-44-5	4-Methylphenol	65	U	65	140	580	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	89	U	89	74.6	300	ug/Kg
67-72-1	Hexachloroethane	32	U	32	74.6	300	ug/Kg
98-95-3	Nitrobenzene	54	U	54	74.6	300	ug/Kg
78-59-1	Isophorone	84	U	84	74.6	300	ug/Kg
88-75-5	2-Nitrophenol	54	U	54	74.6	300	ug/Kg
105-67-9	2,4-Dimethylphenol	44	U	44	74.6	300	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	75	U	75	74.6	300	ug/Kg
120-83-2	2,4-Dichlorophenol	28	U	28	74.6	300	ug/Kg
91-20-3	Naphthalene	44	U	44	74.6	300	ug/Kg
106-47-8	4-Chloroaniline	42	U	42	74.6	580	ug/Kg
87-68-3	Hexachlorobutadiene	77	U	77	74.6	300	ug/Kg
105-60-2	Caprolactam	130	U	130	140	580	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86	U	86	74.6	300	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	74.6	300	ug/Kg
91-57-6	2-Methylnaphthalene	40	U	40	74.6	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	140	580	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86	U	86	74.6	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68	U	68	74.6	300	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F30	SDG No.:	BP102924
Lab Sample ID:	P4492-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022718.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	42	U	42	74.6	300	ug/Kg
91-58-7	2-Chloronaphthalene	46	U	46	74.6	300	ug/Kg
88-74-4	2-Nitroaniline	72	U	72	74.6	300	ug/Kg
131-11-3	Dimethylphthalate	51	U	51	74.6	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	77	U	77	74.6	300	ug/Kg
208-96-8	Acenaphthylene	56	U	56	74.6	300	ug/Kg
99-09-2	3-Nitroaniline	77	U	77	140	580	ug/Kg
83-32-9	Acenaphthene	51	U	51	74.6	300	ug/Kg
51-28-5	2,4-Dinitrophenol	84	U	84	140	580	ug/Kg
100-02-7	4-Nitrophenol	77	U	77	140	580	ug/Kg
132-64-9	Dibenzofuran	56	U	56	74.6	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	75	U	75	74.6	300	ug/Kg
84-66-2	Diethylphthalate	53	U	53	74.6	300	ug/Kg
86-73-7	Fluorene	44	U	44	74.6	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	35	U	35	74.6	300	ug/Kg
100-01-6	4-Nitroaniline	54	U	54	140	580	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	140	580	ug/Kg
86-30-6	N-Nitrosodiphenylamine	58	U	58	74.6	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	42	U	42	74.6	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	74.6	300	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	74.6	300	ug/Kg
1912-24-9	Atrazine	120	U	120	140	580	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	140	580	ug/Kg
85-01-8	Phenanthrene	51	U	51	74.6	300	ug/Kg
608-93-5	Pentachlorobenzene	91	U	91	74.6	300	ug/Kg
120-12-7	Anthracene	44	U	44	74.6	300	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	88	U	88	74.6	300	ug/Kg
86-74-8	Carbazole	49	U	49	140	580	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	74.6	300	ug/Kg
206-44-0	Fluoranthene	95	U	95	140	300	ug/Kg

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F30	SDG No.:	BP102924
Lab Sample ID:	P4492-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022718.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	86	U	86	74.6	300	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	74.6	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	84	U	84	140	580	ug/Kg
56-55-3	Benzo(a)anthracene	47	U	47	74.6	300	ug/Kg
218-01-9	Chrysene	54	U	54	74.6	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	J	170	74.6	300	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	140	580	ug/Kg
205-99-2	Benzo(b)fluoranthene	58	U	58	74.6	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	67	U	67	74.6	300	ug/Kg
50-32-8	Benzo(a)pyrene	56	U	56	74.6	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54	U	54	74.6	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	49	U	49	74.6	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	46	U	46	74.6	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58	U	58	74.6	300	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.407		15-120		30	SPK: -8
7291-22-7	Pyridine-d5	11.646		20-120		29	SPK: -40
4165-62-2	Phenol-d5	14.404		10-130		36	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	14.176		10-150		35	SPK: -40
93951-73-6	2-Chlorophenol-d4	15.024		15-120		38	SPK: -40
190780-66-6	4-Methylphenol-d8	15.779		10-140		39	SPK: -40
4165-60-0	Nitrobenzene-d5	14.776		10-135		37	SPK: -40
93951-78-1	2-Nitrophenol-d4	15.472		10-120		39	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	15.562		10-140		39	SPK: -40
191656-33-4	4-Chloroaniline-d4	14.274		1-145		36	SPK: -40
85448-30-2	Dimethylphthalate-d6	16.119		10-145		40	SPK: -40
93951-97-4	Acenaphthylene-d8	16.099		15-120		40	SPK: -40
93951-79-2	4-Nitrophenol-d4	10.357		10-150		26	SPK: -40
81103-79-9	Fluorene-d10	16.428		20-140		41	SPK: -40

Report of Analysis

Client:		Date Collected:	10/22/2024 12:00:00 AM
Project:		Date Received:	10/22/2024 12:00:00 AM
Client Sample ID:	A4F30	SDG No.:	BP102924
Lab Sample ID:	P4492-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022718.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	7.795		10-130		19	SPK: -40
1719-06-8	Anthracene-d10	16.801		10-150		42	SPK: -40
1718-52-1	Pyrene-d10	17.957		10-130		45	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	17.612		10-140		44	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	95958	7.64				
1146-65-2	Naphthalene-d8	379008	10.393				
15067-26-2	Acenaphthene-d10	298243	14.257				
1517-22-2	Phenanthrene-d10	707770	17.063				
1719-03-5	Chrysene-d12	744331	21.504				
1520-96-3	Perylene-d12	901412	24.757				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	680	J			15.645	
000057-10-3	n-Hexadecanoic acid	210	J			17.998	
E966796	Total Alkanes	42	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EL4	SDG No.:	BP102924
Lab Sample ID:	P4492-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	53.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022719.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	24	U	24	14.1	140	ug/Kg
100-52-7	Benzaldehyde	96	U	96	180	710	ug/Kg
110-86-1	Pyridine	71	U	71	350	710	ug/Kg
108-95-2	Phenol	92	U	92	180	710	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	86	U	86	180	710	ug/Kg
95-57-8	2-Chlorophenol	49	U	49	90.9	360	ug/Kg
95-48-7	2-Methylphenol	83	U	83	180	710	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	180	710	ug/Kg
98-86-2	Acetophenone	86	U	86	180	710	ug/Kg
106-44-5	4-Methylphenol	79	U	79	180	710	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	110	U	110	90.9	360	ug/Kg
67-72-1	Hexachloroethane	38	U	38	90.9	360	ug/Kg
98-95-3	Nitrobenzene	66	U	66	90.9	360	ug/Kg
78-59-1	Isophorone	100	U	100	90.9	360	ug/Kg
88-75-5	2-Nitrophenol	66	U	66	90.9	360	ug/Kg
105-67-9	2,4-Dimethylphenol	53	U	53	90.9	360	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	92	U	92	90.9	360	ug/Kg
120-83-2	2,4-Dichlorophenol	34	U	34	90.9	360	ug/Kg
91-20-3	Naphthalene	53	U	53	90.9	360	ug/Kg
106-47-8	4-Chloroaniline	51	U	51	90.9	710	ug/Kg
87-68-3	Hexachlorobutadiene	94	U	94	90.9	360	ug/Kg
105-60-2	Caprolactam	150	U	150	180	710	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	90.9	360	ug/Kg
90-12-0	1-Methylnaphthalene	71	U	71	90.9	360	ug/Kg
91-57-6	2-Methylnaphthalene	49	U	49	90.9	360	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	180	710	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	90.9	360	ug/Kg
95-95-4	2,4,5-Trichlorophenol	83	U	83	90.9	360	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EL4	SDG No.:	BP102924
Lab Sample ID:	P4492-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	53.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022719.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	51	U	51	90.9	360	ug/Kg
91-58-7	2-Chloronaphthalene	56	U	56	90.9	360	ug/Kg
88-74-4	2-Nitroaniline	88	U	88	90.9	360	ug/Kg
131-11-3	Dimethylphthalate	62	U	62	90.9	360	ug/Kg
606-20-2	2,6-Dinitrotoluene	94	U	94	90.9	360	ug/Kg
208-96-8	Acenaphthylene	68	U	68	90.9	360	ug/Kg
99-09-2	3-Nitroaniline	94	U	94	180	710	ug/Kg
83-32-9	Acenaphthene	62	U	62	90.9	360	ug/Kg
51-28-5	2,4-Dinitrophenol	100	U	100	180	710	ug/Kg
100-02-7	4-Nitrophenol	94	U	94	180	710	ug/Kg
132-64-9	Dibenzofuran	68	U	68	90.9	360	ug/Kg
121-14-2	2,4-Dinitrotoluene	92	U	92	90.9	360	ug/Kg
84-66-2	Diethylphthalate	64	U	64	90.9	360	ug/Kg
86-73-7	Fluorene	53	U	53	90.9	360	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	43	U	43	90.9	360	ug/Kg
100-01-6	4-Nitroaniline	66	U	66	180	710	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	180	710	ug/Kg
86-30-6	N-Nitrosodiphenylamine	71	U	71	90.9	360	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	90.9	360	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62	U	62	90.9	360	ug/Kg
118-74-1	Hexachlorobenzene	68	U	68	90.9	360	ug/Kg
1912-24-9	Atrazine	150	U	150	180	710	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	180	710	ug/Kg
85-01-8	Phenanthrene	170	J	62	90.9	360	ug/Kg
608-93-5	Pentachlorobenzene	110	U	110	90.9	360	ug/Kg
120-12-7	Anthracene	53	U	53	90.9	360	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	110	U	110	90.9	360	ug/Kg
86-74-8	Carbazole	60	U	60	180	710	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	90.9	360	ug/Kg
206-44-0	Fluoranthene	240	J	120	180	360	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EL4	SDG No.:	BP102924
Lab Sample ID:	P4492-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	53.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022719.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	220	J	100	90.9	360	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	90.9	360	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	180	710	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	58	90.9	360	ug/Kg
218-01-9	Chrysene	120	J	66	90.9	360	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	210	90.9	360	ug/Kg
117-84-0	Di-n-octyl phthalate	160	U	160	180	710	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	71	90.9	360	ug/Kg
207-08-9	Benzo(k)fluoranthene	81	U	81	90.9	360	ug/Kg
50-32-8	Benzo(a)pyrene	99	J	68	90.9	360	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	66	U	66	90.9	360	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60	U	60	90.9	360	ug/Kg
191-24-2	Benzo(g,h,i)perylene	56	U	56	90.9	360	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	71	U	71	90.9	360	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.769		15-120		35	SPK: -8
7291-22-7	Pyridine-d5	13.943		20-120		35	SPK: -40
4165-62-2	Phenol-d5	16.36		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	15.831		10-150		40	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.549		15-120		44	SPK: -40
190780-66-6	4-Methylphenol-d8	17.329		10-140		43	SPK: -40
4165-60-0	Nitrobenzene-d5	16.448		10-135		41	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.066		10-120		45	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.87		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	16.488		1-145		41	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.585		10-145		46	SPK: -40
93951-97-4	Acenaphthylene-d8	18.71		15-120		47	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.164		10-150		35	SPK: -40
81103-79-9	Fluorene-d10	20.152		20-140		50	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EL4	SDG No.:	BP102924
Lab Sample ID:	P4492-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	53.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022719.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	11.086		10-130		28	SPK: -40
1719-06-8	Anthracene-d10	21.513		10-150		54	SPK: -40
1718-52-1	Pyrene-d10	21.223		10-130		53	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.458		10-140		54	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91972	7.64				
1146-65-2	Naphthalene-d8	355675	10.399				
15067-26-2	Acenaphthene-d10	275781	14.263				
1517-22-2	Phenanthrene-d10	640373	17.063				
1719-03-5	Chrysene-d12	721800	21.492				
1520-96-3	Perylene-d12	897789	24.739				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	1200	J			15.645	
000057-10-3	n-Hexadecanoic acid	250	J			17.998	
E966796	Total Alkanes	51	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN0	SDG No.:	BP102924
Lab Sample ID:	P4492-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.8
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022720.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	22	U	22	13.4	140	ug/Kg
100-52-7	Benzaldehyde	91	U	91	170	670	ug/Kg
110-86-1	Pyridine	67	U	67	340	670	ug/Kg
108-95-2	Phenol	87	U	87	170	670	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	81	U	81	170	670	ug/Kg
95-57-8	2-Chlorophenol	47	U	47	86.4	350	ug/Kg
95-48-7	2-Methylphenol	79	U	79	170	670	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	170	670	ug/Kg
98-86-2	Acetophenone	81	U	81	170	670	ug/Kg
106-44-5	4-Methylphenol	75	U	75	170	670	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	100	U	100	86.4	350	ug/Kg
67-72-1	Hexachloroethane	37	U	37	86.4	350	ug/Kg
98-95-3	Nitrobenzene	63	U	63	86.4	350	ug/Kg
78-59-1	Isophorone	98	U	98	86.4	350	ug/Kg
88-75-5	2-Nitrophenol	63	U	63	86.4	350	ug/Kg
105-67-9	2,4-Dimethylphenol	51	U	51	86.4	350	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	87	U	87	86.4	350	ug/Kg
120-83-2	2,4-Dichlorophenol	33	U	33	86.4	350	ug/Kg
91-20-3	Naphthalene	51	U	51	86.4	350	ug/Kg
106-47-8	4-Chloroaniline	49	U	49	86.4	670	ug/Kg
87-68-3	Hexachlorobutadiene	89	U	89	86.4	350	ug/Kg
105-60-2	Caprolactam	150	U	150	170	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	86.4	350	ug/Kg
90-12-0	1-Methylnaphthalene	67	U	67	86.4	350	ug/Kg
91-57-6	2-Methylnaphthalene	47	U	47	86.4	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	170	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	86.4	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	79	U	79	86.4	350	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN0	SDG No.:	BP102924
Lab Sample ID:	P4492-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.8
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022720.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	49	U	49	86.4	350	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	86.4	350	ug/Kg
88-74-4	2-Nitroaniline	83	U	83	86.4	350	ug/Kg
131-11-3	Dimethylphthalate	59	U	59	86.4	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	89	U	89	86.4	350	ug/Kg
208-96-8	Acenaphthylene	65	U	65	86.4	350	ug/Kg
99-09-2	3-Nitroaniline	89	U	89	170	670	ug/Kg
83-32-9	Acenaphthene	59	U	59	86.4	350	ug/Kg
51-28-5	2,4-Dinitrophenol	98	U	98	170	670	ug/Kg
100-02-7	4-Nitrophenol	89	U	89	170	670	ug/Kg
132-64-9	Dibenzofuran	65	U	65	86.4	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	87	U	87	86.4	350	ug/Kg
84-66-2	Diethylphthalate	61	U	61	86.4	350	ug/Kg
86-73-7	Fluorene	51	U	51	86.4	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	41	U	41	86.4	350	ug/Kg
100-01-6	4-Nitroaniline	63	U	63	170	670	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	170	670	ug/Kg
86-30-6	N-Nitrosodiphenylamine	67	U	67	86.4	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U	49	86.4	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	59	U	59	86.4	350	ug/Kg
118-74-1	Hexachlorobenzene	65	U	65	86.4	350	ug/Kg
1912-24-9	Atrazine	140	U	140	170	670	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	170	670	ug/Kg
85-01-8	Phenanthrene	88	J	59	86.4	350	ug/Kg
608-93-5	Pentachlorobenzene	110	U	110	86.4	350	ug/Kg
120-12-7	Anthracene	51	U	51	86.4	350	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	100	U	100	86.4	350	ug/Kg
86-74-8	Carbazole	57	U	57	170	670	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	86.4	350	ug/Kg
206-44-0	Fluoranthene	190	J	110	170	350	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN0	SDG No.:	BP102924
Lab Sample ID:	P4492-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.8
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022720.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	160	J	100	86.4	350	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	86.4	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98	U	98	170	670	ug/Kg
56-55-3	Benzo(a)anthracene	79	J	55	86.4	350	ug/Kg
218-01-9	Chrysene	91	J	63	86.4	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	200	U	200	86.4	350	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	170	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	89	J	67	86.4	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	77	U	77	86.4	350	ug/Kg
50-32-8	Benzo(a)pyrene	71	J	65	86.4	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	63	U	63	86.4	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57	U	57	86.4	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53	U	53	86.4	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	67	U	67	86.4	350	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.664		15-120		33	SPK: -8
7291-22-7	Pyridine-d5	15.555		20-120		39	SPK: -40
4165-62-2	Phenol-d5	18.863		10-130		47	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.245		10-150		46	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.806		15-120		50	SPK: -40
190780-66-6	4-Methylphenol-d8	20.253		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	20.315		10-135		51	SPK: -40
93951-78-1	2-Nitrophenol-d4	21.133		10-120		53	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.877		10-140		52	SPK: -40
191656-33-4	4-Chloroaniline-d4	19.672		1-145		49	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.743		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	22.487		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	16.654		10-150		42	SPK: -40
81103-79-9	Fluorene-d10	23.881		20-140		60	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN0	SDG No.:	BP102924
Lab Sample ID:	P4492-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.8
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022720.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	12.506		10-130		31	SPK: -40
1719-06-8	Anthracene-d10	24.729		10-150		62	SPK: -40
1718-52-1	Pyrene-d10	27.475		10-130		69	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.33		10-140		66	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97098	7.64				
1146-65-2	Naphthalene-d8	373854	10.399				
15067-26-2	Acenaphthene-d10	298906	14.263				
1517-22-2	Phenanthrene-d10	697566	17.069				
1719-03-5	Chrysene-d12	700918	21.492				
1520-96-3	Perylene-d12	837538	24.745				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	1300	J			15.651	
000057-10-3	n-Hexadecanoic acid	480	J			18.01	
007683-64-9	Supraene	140	J			23.239	
E966796	Total Alkanes	49	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ET0	SDG No.:	BP102924
Lab Sample ID:	P4492-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	67.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022721.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	34	U	34	20.2	200	ug/Kg
100-52-7	Benzaldehyde	140	U	140	250	1000	ug/Kg
110-86-1	Pyridine	100	U	100	500	1000	ug/Kg
108-95-2	Phenol	130	U	130	250	1000	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	120	U	120	250	1000	ug/Kg
95-57-8	2-Chlorophenol	70	U	70	130	520	ug/Kg
95-48-7	2-Methylphenol	120	U	120	250	1000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	180	250	1000	ug/Kg
98-86-2	Acetophenone	120	U	120	250	1000	ug/Kg
106-44-5	4-Methylphenol	110	U	110	250	1000	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	U	160	130	520	ug/Kg
67-72-1	Hexachloroethane	55	U	55	130	520	ug/Kg
98-95-3	Nitrobenzene	95	U	95	130	520	ug/Kg
78-59-1	Isophorone	150	U	150	130	520	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	520	ug/Kg
105-67-9	2,4-Dimethylphenol	76	U	76	130	520	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	130	U	130	130	520	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	130	520	ug/Kg
91-20-3	Naphthalene	76	U	76	130	520	ug/Kg
106-47-8	4-Chloroaniline	73	U	73	130	1000	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	130	520	ug/Kg
105-60-2	Caprolactam	220	U	220	250	1000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	150	U	150	130	520	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	130	520	ug/Kg
91-57-6	2-Methylnaphthalene	70	U	70	130	520	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	250	1000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	130	520	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	130	520	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ET0	SDG No.:	BP102924
Lab Sample ID:	P4492-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	67.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022721.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	73	U	73	130	520	ug/Kg
91-58-7	2-Chloronaphthalene	79	U	79	130	520	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	130	520	ug/Kg
131-11-3	Dimethylphthalate	89	U	89	130	520	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	130	520	ug/Kg
208-96-8	Acenaphthylene	98	U	98	130	520	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	250	1000	ug/Kg
83-32-9	Acenaphthene	89	U	89	130	520	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	250	1000	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	250	1000	ug/Kg
132-64-9	Dibenzofuran	98	U	98	130	520	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	130	520	ug/Kg
84-66-2	Diethylphthalate	92	U	92	130	520	ug/Kg
86-73-7	Fluorene	76	U	76	130	520	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61	U	61	130	520	ug/Kg
100-01-6	4-Nitroaniline	95	U	95	250	1000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	240	U	240	250	1000	ug/Kg
86-30-6	N-Nitrosodiphenylamine	100	U	100	130	520	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	73	U	73	130	520	ug/Kg
101-55-3	4-Bromophenyl-phenylether	89	U	89	130	520	ug/Kg
118-74-1	Hexachlorobenzene	98	U	98	130	520	ug/Kg
1912-24-9	Atrazine	220	U	220	250	1000	ug/Kg
87-86-5	Pentachlorophenol	230	U	230	250	1000	ug/Kg
85-01-8	Phenanthrene	89	U	89	130	520	ug/Kg
608-93-5	Pentachlorobenzene	160	U	160	130	520	ug/Kg
120-12-7	Anthracene	76	U	76	130	520	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	150	U	150	130	520	ug/Kg
86-74-8	Carbazole	86	U	86	250	1000	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	190	130	520	ug/Kg
206-44-0	Fluoranthene	170	U	170	250	520	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ET0	SDG No.:	BP102924
Lab Sample ID:	P4492-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	67.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022721.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	150	U	150	130	520	ug/Kg
85-68-7	Butylbenzylphthalate	260	U	260	130	520	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	250	1000	ug/Kg
56-55-3	Benzo(a)anthracene	83	U	83	130	520	ug/Kg
218-01-9	Chrysene	95	U	95	130	520	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	290	130	520	ug/Kg
117-84-0	Di-n-octyl phthalate	230	U	230	250	1000	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	130	520	ug/Kg
207-08-9	Benzo(k)fluoranthene	120	U	120	130	520	ug/Kg
50-32-8	Benzo(a)pyrene	98	U	98	130	520	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	95	U	95	130	520	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	86	U	86	130	520	ug/Kg
191-24-2	Benzo(g,h,i)perylene	79	U	79	130	520	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	130	520	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.915		15-120		36	SPK: -8
7291-22-7	Pyridine-d5	14.292		20-120		36	SPK: -40
4165-62-2	Phenol-d5	17.47		10-130		44	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.981		10-150		42	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.309		15-120		46	SPK: -40
190780-66-6	4-Methylphenol-d8	18.968		10-140		47	SPK: -40
4165-60-0	Nitrobenzene-d5	18.382		10-135		46	SPK: -40
93951-78-1	2-Nitrophenol-d4	19.116		10-120		48	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.392		10-140		48	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.754		1-145		44	SPK: -40
85448-30-2	Dimethylphthalate-d6	19.899		10-145		50	SPK: -40
93951-97-4	Acenaphthylene-d8	19.657		15-120		49	SPK: -40
93951-79-2	4-Nitrophenol-d4	13.912		10-150		35	SPK: -40
81103-79-9	Fluorene-d10	20.664		20-140		52	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ET0	SDG No.:	BP102924
Lab Sample ID:	P4492-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	67.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022721.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.75		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	21.118		10-150		53	SPK: -40
1718-52-1	Pyrene-d10	22.759		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.619		10-140		54	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93384	7.64				
1146-65-2	Naphthalene-d8	364252	10.393				
15067-26-2	Acenaphthene-d10	292315	14.263				
1517-22-2	Phenanthrene-d10	687346	17.069				
1719-03-5	Chrysene-d12	705465	21.504				
1520-96-3	Perylene-d12	850119	24.751				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	1500	J			15.645	
000057-10-3	n-Hexadecanoic acid	340	J			17.998	
E966796	Total Alkanes	73	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN8	SDG No.:	BP102924
Lab Sample ID:	P4492-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	54.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022722.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	24	U	24	14.5	150	ug/Kg
100-52-7	Benzaldehyde	99	U	99	180	720	ug/Kg
110-86-1	Pyridine	72	U	72	360	720	ug/Kg
108-95-2	Phenol	94	U	94	180	720	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	88	U	88	180	720	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	93.3	370	ug/Kg
95-48-7	2-Methylphenol	86	U	86	180	720	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	180	720	ug/Kg
98-86-2	Acetophenone	88	U	88	180	720	ug/Kg
106-44-5	4-Methylphenol	81	U	81	180	720	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	110	U	110	93.3	370	ug/Kg
67-72-1	Hexachloroethane	40	U	40	93.3	370	ug/Kg
98-95-3	Nitrobenzene	68	U	68	93.3	370	ug/Kg
78-59-1	Isophorone	110	U	110	93.3	370	ug/Kg
88-75-5	2-Nitrophenol	68	U	68	93.3	370	ug/Kg
105-67-9	2,4-Dimethylphenol	55	U	55	93.3	370	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	94	U	94	93.3	370	ug/Kg
120-83-2	2,4-Dichlorophenol	35	U	35	93.3	370	ug/Kg
91-20-3	Naphthalene	55	U	55	93.3	370	ug/Kg
106-47-8	4-Chloroaniline	53	U	53	93.3	720	ug/Kg
87-68-3	Hexachlorobutadiene	97	U	97	93.3	370	ug/Kg
105-60-2	Caprolactam	160	U	160	180	720	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	93.3	370	ug/Kg
90-12-0	1-Methylnaphthalene	72	U	72	93.3	370	ug/Kg
91-57-6	2-Methylnaphthalene	50	U	50	93.3	370	ug/Kg
77-47-4	Hexachlorocyclopentadiene	210	U	210	180	720	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	93.3	370	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86	U	86	93.3	370	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN8	SDG No.:	BP102924
Lab Sample ID:	P4492-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	54.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022722.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	53	U	53	93.3	370	ug/Kg
91-58-7	2-Chloronaphthalene	57	U	57	93.3	370	ug/Kg
88-74-4	2-Nitroaniline	90	U	90	93.3	370	ug/Kg
131-11-3	Dimethylphthalate	64	U	64	93.3	370	ug/Kg
606-20-2	2,6-Dinitrotoluene	97	U	97	93.3	370	ug/Kg
208-96-8	Acenaphthylene	70	U	70	93.3	370	ug/Kg
99-09-2	3-Nitroaniline	97	U	97	180	720	ug/Kg
83-32-9	Acenaphthene	64	U	64	93.3	370	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	180	720	ug/Kg
100-02-7	4-Nitrophenol	97	U	97	180	720	ug/Kg
132-64-9	Dibenzofuran	70	U	70	93.3	370	ug/Kg
121-14-2	2,4-Dinitrotoluene	94	U	94	93.3	370	ug/Kg
84-66-2	Diethylphthalate	66	U	66	93.3	370	ug/Kg
86-73-7	Fluorene	55	U	55	93.3	370	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	44	U	44	93.3	370	ug/Kg
100-01-6	4-Nitroaniline	68	U	68	180	720	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	U	170	180	720	ug/Kg
86-30-6	N-Nitrosodiphenylamine	72	U	72	93.3	370	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	53	93.3	370	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64	U	64	93.3	370	ug/Kg
118-74-1	Hexachlorobenzene	70	U	70	93.3	370	ug/Kg
1912-24-9	Atrazine	160	U	160	180	720	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	180	720	ug/Kg
85-01-8	Phenanthrene	200	J	64	93.3	370	ug/Kg
608-93-5	Pentachlorobenzene	110	U	110	93.3	370	ug/Kg
120-12-7	Anthracene	55	U	55	93.3	370	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	110	U	110	93.3	370	ug/Kg
86-74-8	Carbazole	61	U	61	180	720	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	93.3	370	ug/Kg
206-44-0	Fluoranthene	280	J	120	180	370	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN8	SDG No.:	BP102924
Lab Sample ID:	P4492-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	54.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022722.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	230	J	110	93.3	370	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	93.3	370	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	720	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	59	93.3	370	ug/Kg
218-01-9	Chrysene	120	J	68	93.3	370	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	210	U	210	93.3	370	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	180	720	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	72	93.3	370	ug/Kg
207-08-9	Benzo(k)fluoranthene	83	U	83	93.3	370	ug/Kg
50-32-8	Benzo(a)pyrene	97	J	70	93.3	370	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68	U	68	93.3	370	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61	U	61	93.3	370	ug/Kg
191-24-2	Benzo(g,h,i)perylene	57	U	57	93.3	370	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	72	U	72	93.3	370	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.448		15-120		31	SPK: -8
7291-22-7	Pyridine-d5	13.478		20-120		34	SPK: -40
4165-62-2	Phenol-d5	16.264		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.498		10-150		41	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.834		15-120		45	SPK: -40
190780-66-6	4-Methylphenol-d8	17.519		10-140		44	SPK: -40
4165-60-0	Nitrobenzene-d5	17.228		10-135		43	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.601		10-120		47	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.266		10-140		46	SPK: -40
191656-33-4	4-Chloroaniline-d4	16.166		1-145		40	SPK: -40
85448-30-2	Dimethylphthalate-d6	19.25		10-145		48	SPK: -40
93951-97-4	Acenaphthylene-d8	19.206		15-120		48	SPK: -40
93951-79-2	4-Nitrophenol-d4	13.532		10-150		34	SPK: -40
81103-79-9	Fluorene-d10	19.838		20-140		50	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EN8	SDG No.:	BP102924
Lab Sample ID:	P4492-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	54.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022722.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.816		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	20.575		10-150		51	SPK: -40
1718-52-1	Pyrene-d10	22.617		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.295		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	98642	7.646				
1146-65-2	Naphthalene-d8	388456	10.393				
15067-26-2	Acenaphthene-d10	300926	14.257				
1517-22-2	Phenanthrene-d10	690163	17.063				
1719-03-5	Chrysene-d12	682318	21.504				
1520-96-3	Perylene-d12	829249	24.745				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	1100	J			15.639	
000057-10-3	n-Hexadecanoic acid	480	J			17.998	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	2200	J			20.61	
E966796	Total Alkanes	53	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EY9	SDG No.:	BP102924
Lab Sample ID:	P4492-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022723.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	12.4	120	ug/Kg
100-52-7	Benzaldehyde	84	U	84	150	620	ug/Kg
110-86-1	Pyridine	62	U	62	310	620	ug/Kg
108-95-2	Phenol	81	U	81	150	620	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	75	U	75	150	620	ug/Kg
95-57-8	2-Chlorophenol	43	U	43	79.6	320	ug/Kg
95-48-7	2-Methylphenol	73	U	73	150	620	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	150	620	ug/Kg
98-86-2	Acetophenone	75	U	75	150	620	ug/Kg
106-44-5	4-Methylphenol	69	U	69	150	620	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	96	U	96	79.6	320	ug/Kg
67-72-1	Hexachloroethane	34	U	34	79.6	320	ug/Kg
98-95-3	Nitrobenzene	58	U	58	79.6	320	ug/Kg
78-59-1	Isophorone	90	U	90	79.6	320	ug/Kg
88-75-5	2-Nitrophenol	58	U	58	79.6	320	ug/Kg
105-67-9	2,4-Dimethylphenol	47	U	47	79.6	320	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	81	U	81	79.6	320	ug/Kg
120-83-2	2,4-Dichlorophenol	30	U	30	79.6	320	ug/Kg
91-20-3	Naphthalene	47	U	47	79.6	320	ug/Kg
106-47-8	4-Chloroaniline	45	U	45	79.6	620	ug/Kg
87-68-3	Hexachlorobutadiene	82	U	82	79.6	320	ug/Kg
105-60-2	Caprolactam	130	U	130	150	620	ug/Kg
59-50-7	4-Chloro-3-methylphenol	92	U	92	79.6	320	ug/Kg
90-12-0	1-Methylnaphthalene	62	U	62	79.6	320	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	79.6	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	150	620	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92	U	92	79.6	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73	U	73	79.6	320	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EY9	SDG No.:	BP102924
Lab Sample ID:	P4492-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022723.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	45	U	45	79.6	320	ug/Kg
91-58-7	2-Chloronaphthalene	49	U	49	79.6	320	ug/Kg
88-74-4	2-Nitroaniline	77	U	77	79.6	320	ug/Kg
131-11-3	Dimethylphthalate	54	U	54	79.6	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	82	U	82	79.6	320	ug/Kg
208-96-8	Acenaphthylene	60	U	60	79.6	320	ug/Kg
99-09-2	3-Nitroaniline	82	U	82	150	620	ug/Kg
83-32-9	Acenaphthene	54	U	54	79.6	320	ug/Kg
51-28-5	2,4-Dinitrophenol	90	U	90	150	620	ug/Kg
100-02-7	4-Nitrophenol	82	U	82	150	620	ug/Kg
132-64-9	Dibenzofuran	60	U	60	79.6	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	81	U	81	79.6	320	ug/Kg
84-66-2	Diethylphthalate	56	U	56	79.6	320	ug/Kg
86-73-7	Fluorene	47	U	47	79.6	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	37	U	37	79.6	320	ug/Kg
100-01-6	4-Nitroaniline	58	U	58	150	620	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	150	620	ug/Kg
86-30-6	N-Nitrosodiphenylamine	62	U	62	79.6	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	45	79.6	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54	U	54	79.6	320	ug/Kg
118-74-1	Hexachlorobenzene	60	U	60	79.6	320	ug/Kg
1912-24-9	Atrazine	130	U	130	150	620	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	150	620	ug/Kg
85-01-8	Phenanthrene	110	J	54	79.6	320	ug/Kg
608-93-5	Pentachlorobenzene	97	U	97	79.6	320	ug/Kg
120-12-7	Anthracene	47	U	47	79.6	320	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	94	U	94	79.6	320	ug/Kg
86-74-8	Carbazole	52	U	52	150	620	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	79.6	320	ug/Kg
206-44-0	Fluoranthene	150	J	100	150	320	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EY9	SDG No.:	BP102924
Lab Sample ID:	P4492-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022723.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	130	J	92	79.6	320	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	79.6	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	90	U	90	150	620	ug/Kg
56-55-3	Benzo(a)anthracene	64	J	51	79.6	320	ug/Kg
218-01-9	Chrysene	65	J	58	79.6	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	180	79.6	320	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	150	620	ug/Kg
205-99-2	Benzo(b)fluoranthene	73	J	62	79.6	320	ug/Kg
207-08-9	Benzo(k)fluoranthene	71	U	71	79.6	320	ug/Kg
50-32-8	Benzo(a)pyrene	60	U	60	79.6	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	58	U	58	79.6	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52	U	52	79.6	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49	U	49	79.6	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	62	U	62	79.6	320	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.441		15-120		31	SPK: -8
7291-22-7	Pyridine-d5	11.68		20-120		29	SPK: -40
4165-62-2	Phenol-d5	15.726		10-130		39	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	15.63		10-150		39	SPK: -40
93951-73-6	2-Chlorophenol-d4	16.97		15-120		42	SPK: -40
190780-66-6	4-Methylphenol-d8	16.881		10-140		42	SPK: -40
4165-60-0	Nitrobenzene-d5	16.247		10-135		41	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.566		10-120		44	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.317		10-140		43	SPK: -40
191656-33-4	4-Chloroaniline-d4	15.17		1-145		38	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.893		10-145		47	SPK: -40
93951-97-4	Acenaphthylene-d8	18.575		15-120		46	SPK: -40
93951-79-2	4-Nitrophenol-d4	13.518		10-150		34	SPK: -40
81103-79-9	Fluorene-d10	19.566		20-140		49	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EY9	SDG No.:	BP102924
Lab Sample ID:	P4492-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.8
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022723.D	1	10/25/2024 12:00:00 AM	10/29/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	9.788		10-130		24	SPK: -40
1719-06-8	Anthracene-d10	19.768		10-150		49	SPK: -40
1718-52-1	Pyrene-d10	20.398		10-130		51	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.612		10-140		52	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87959	7.64				
1146-65-2	Naphthalene-d8	345990	10.398				
15067-26-2	Acenaphthene-d10	269106	14.269				
1517-22-2	Phenanthrene-d10	647952	17.069				
1719-03-5	Chrysene-d12	690781	21.486				
1520-96-3	Perylene-d12	817692	24.727				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	760	J			15.657	
000057-10-3	n-Hexadecanoic acid	280	J			18.01	
E966796	Total Alkanes	45	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ER0	SDG No.:	BP102924
Lab Sample ID:	P4492-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.5
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022724.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	17	U	17	10.1	100	ug/Kg
100-52-7	Benzaldehyde	69	U	69	130	500	ug/Kg
110-86-1	Pyridine	50	U	50	250	500	ug/Kg
108-95-2	Phenol	66	U	66	130	500	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	61	U	61	130	500	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	64.9	260	ug/Kg
95-48-7	2-Methylphenol	60	U	60	130	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	92	U	92	130	500	ug/Kg
98-86-2	Acetophenone	61	U	61	130	500	ug/Kg
106-44-5	4-Methylphenol	56	U	56	130	500	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	78	U	78	64.9	260	ug/Kg
67-72-1	Hexachloroethane	27	U	27	64.9	260	ug/Kg
98-95-3	Nitrobenzene	47	U	47	64.9	260	ug/Kg
78-59-1	Isophorone	73	U	73	64.9	260	ug/Kg
88-75-5	2-Nitrophenol	47	U	47	64.9	260	ug/Kg
105-67-9	2,4-Dimethylphenol	38	U	38	64.9	260	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	66	U	66	64.9	260	ug/Kg
120-83-2	2,4-Dichlorophenol	24	U	24	64.9	260	ug/Kg
91-20-3	Naphthalene	38	U	38	64.9	260	ug/Kg
106-47-8	4-Chloroaniline	37	U	37	64.9	500	ug/Kg
87-68-3	Hexachlorobutadiene	67	U	67	64.9	260	ug/Kg
105-60-2	Caprolactam	110	U	110	130	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	75	U	75	64.9	260	ug/Kg
90-12-0	1-Methylnaphthalene	50	U	50	64.9	260	ug/Kg
91-57-6	2-Methylnaphthalene	35	U	35	64.9	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	130	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75	U	75	64.9	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60	U	60	64.9	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ER0	SDG No.:	BP102924
Lab Sample ID:	P4492-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022724.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	37	U	37	64.9	260	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	64.9	260	ug/Kg
88-74-4	2-Nitroaniline	63	U	63	64.9	260	ug/Kg
131-11-3	Dimethylphthalate	44	U	44	64.9	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	67	U	67	64.9	260	ug/Kg
208-96-8	Acenaphthylene	49	U	49	64.9	260	ug/Kg
99-09-2	3-Nitroaniline	67	U	67	130	500	ug/Kg
83-32-9	Acenaphthene	44	U	44	64.9	260	ug/Kg
51-28-5	2,4-Dinitrophenol	73	U	73	130	500	ug/Kg
100-02-7	4-Nitrophenol	67	U	67	130	500	ug/Kg
132-64-9	Dibenzofuran	49	U	49	64.9	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	66	U	66	64.9	260	ug/Kg
84-66-2	Diethylphthalate	46	U	46	64.9	260	ug/Kg
86-73-7	Fluorene	38	U	38	64.9	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	31	U	31	64.9	260	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	130	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	130	500	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	64.9	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	37	U	37	64.9	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	44	U	44	64.9	260	ug/Kg
118-74-1	Hexachlorobenzene	49	U	49	64.9	260	ug/Kg
1912-24-9	Atrazine	110	U	110	130	500	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	130	500	ug/Kg
85-01-8	Phenanthrene	44	U	44	64.9	260	ug/Kg
608-93-5	Pentachlorobenzene	79	U	79	64.9	260	ug/Kg
120-12-7	Anthracene	38	U	38	64.9	260	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	76	U	76	64.9	260	ug/Kg
86-74-8	Carbazole	43	U	43	130	500	ug/Kg
84-74-2	Di-n-butylphthalate	93	U	93	64.9	260	ug/Kg
206-44-0	Fluoranthene	82	U	82	130	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ER0	SDG No.:	BP102924
Lab Sample ID:	P4492-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022724.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	75	U	75	64.9	260	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	64.9	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	73	U	73	130	500	ug/Kg
56-55-3	Benzo(a)anthracene	41	U	41	64.9	260	ug/Kg
218-01-9	Chrysene	47	U	47	64.9	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	64.9	260	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	130	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	64.9	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	58	U	58	64.9	260	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	64.9	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	47	U	47	64.9	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	64.9	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	64.9	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	50	64.9	260	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.723		15-120		34	SPK: -8
7291-22-7	Pyridine-d5	13.472		20-120		34	SPK: -40
4165-62-2	Phenol-d5	16.522		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	15.733		10-150		39	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.156		15-120		43	SPK: -40
190780-66-6	4-Methylphenol-d8	16.904		10-140		42	SPK: -40
4165-60-0	Nitrobenzene-d5	17.069		10-135		43	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.888		10-120		45	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.329		10-140		43	SPK: -40
191656-33-4	4-Chloroaniline-d4	16.289		1-145		41	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.312		10-145		46	SPK: -40
93951-97-4	Acenaphthylene-d8	18.512		15-120		46	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.063		10-150		35	SPK: -40
81103-79-9	Fluorene-d10	19.397		20-140		48	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4ER0	SDG No.:	BP102924
Lab Sample ID:	P4492-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022724.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	9.59		10-130		24	SPK: -40
1719-06-8	Anthracene-d10	19.723		10-150		49	SPK: -40
1718-52-1	Pyrene-d10	20.619		10-130		52	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.96		10-140		52	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84148	7.64				
1146-65-2	Naphthalene-d8	324641	10.393				
15067-26-2	Acenaphthene-d10	255895	14.263				
1517-22-2	Phenanthrene-d10	599325	17.063				
1719-03-5	Chrysene-d12	677178	21.498				
1520-96-3	Perylene-d12	833382	24.745				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	610	J			15.651	
000057-10-3	n-Hexadecanoic acid	180	J			18.004	
E966796	Total Alkanes	37	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EW6	SDG No.:	BP102924
Lab Sample ID:	P4492-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BP022725.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	12.7	130	ug/Kg
100-52-7	Benzaldehyde	87	U	87	160	640	ug/Kg
110-86-1	Pyridine	64	U	64	320	640	ug/Kg
108-95-2	Phenol	83	U	83	160	640	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	77	U	77	160	640	ug/Kg
95-57-8	2-Chlorophenol	44	U	44	81.9	330	ug/Kg
95-48-7	2-Methylphenol	75	U	75	160	640	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	160	640	ug/Kg
98-86-2	Acetophenone	160	J	77	160	640	ug/Kg
106-44-5	4-Methylphenol	71	U	71	160	640	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	98	U	98	81.9	330	ug/Kg
67-72-1	Hexachloroethane	35	U	35	81.9	330	ug/Kg
98-95-3	Nitrobenzene	60	U	60	81.9	330	ug/Kg
78-59-1	Isophorone	93	U	93	81.9	330	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	81.9	330	ug/Kg
105-67-9	2,4-Dimethylphenol	48	U	48	81.9	330	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	83	U	83	81.9	330	ug/Kg
120-83-2	2,4-Dichlorophenol	31	U	31	81.9	330	ug/Kg
91-20-3	Naphthalene	48	U	48	81.9	330	ug/Kg
106-47-8	4-Chloroaniline	46	U	46	81.9	640	ug/Kg
87-68-3	Hexachlorobutadiene	85	U	85	81.9	330	ug/Kg
105-60-2	Caprolactam	140	U	140	160	640	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94	U	94	81.9	330	ug/Kg
90-12-0	1-Methylnaphthalene	64	U	64	81.9	330	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	81.9	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	160	640	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94	U	94	81.9	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75	U	75	81.9	330	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EW6	SDG No.:	BP102924
Lab Sample ID:	P4492-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022725.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	46	U	46	81.9	330	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	81.9	330	ug/Kg
88-74-4	2-Nitroaniline	79	U	79	81.9	330	ug/Kg
131-11-3	Dimethylphthalate	56	U	56	81.9	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	85	U	85	81.9	330	ug/Kg
208-96-8	Acenaphthylene	62	U	62	81.9	330	ug/Kg
99-09-2	3-Nitroaniline	85	U	85	160	640	ug/Kg
83-32-9	Acenaphthene	56	U	56	81.9	330	ug/Kg
51-28-5	2,4-Dinitrophenol	93	U	93	160	640	ug/Kg
100-02-7	4-Nitrophenol	85	U	85	160	640	ug/Kg
132-64-9	Dibenzofuran	62	U	62	81.9	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	83	U	83	81.9	330	ug/Kg
84-66-2	Diethylphthalate	58	U	58	81.9	330	ug/Kg
86-73-7	Fluorene	48	U	48	81.9	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	39	U	39	81.9	330	ug/Kg
100-01-6	4-Nitroaniline	60	U	60	160	640	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	160	640	ug/Kg
86-30-6	N-Nitrosodiphenylamine	64	U	64	81.9	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	46	U	46	81.9	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	56	U	56	81.9	330	ug/Kg
118-74-1	Hexachlorobenzene	62	U	62	81.9	330	ug/Kg
1912-24-9	Atrazine	140	U	140	160	640	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	160	640	ug/Kg
85-01-8	Phenanthrene	56	U	56	81.9	330	ug/Kg
608-93-5	Pentachlorobenzene	100	U	100	81.9	330	ug/Kg
120-12-7	Anthracene	48	U	48	81.9	330	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	96	U	96	81.9	330	ug/Kg
86-74-8	Carbazole	54	U	54	160	640	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	81.9	330	ug/Kg
206-44-0	Fluoranthene	110	J	100	160	330	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EW6	SDG No.:	BP102924
Lab Sample ID:	P4492-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022725.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	94	U	94	81.9	330	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	81.9	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	93	U	93	160	640	ug/Kg
56-55-3	Benzo(a)anthracene	52	U	52	81.9	330	ug/Kg
218-01-9	Chrysene	60	U	60	81.9	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	190	81.9	330	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	160	640	ug/Kg
205-99-2	Benzo(b)fluoranthene	64	U	64	81.9	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	73	U	73	81.9	330	ug/Kg
50-32-8	Benzo(a)pyrene	62	U	62	81.9	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	60	U	60	81.9	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54	U	54	81.9	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50	U	50	81.9	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	64	U	64	81.9	330	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.485		15-120		19	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	7.363		10-130		18	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	8.031		10-150		20	SPK: -40
93951-73-6	2-Chlorophenol-d4	8.283		15-120		21	SPK: -40
190780-66-6	4-Methylphenol-d8	3.377	*	10-140		8	SPK: -40
4165-60-0	Nitrobenzene-d5	8.122		10-135		20	SPK: -40
93951-78-1	2-Nitrophenol-d4	8.829		10-120		22	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	7.407		10-140		19	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.552		1-145		4	SPK: -40
85448-30-2	Dimethylphthalate-d6	8.584		10-145		21	SPK: -40
93951-97-4	Acenaphthylene-d8	8.447		15-120		21	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.852		10-150		12	SPK: -40
81103-79-9	Fluorene-d10	8.909		20-140		22	SPK: -40

Report of Analysis

Client:		Date Collected:	10/23/2024 12:00:00 AM
Project:		Date Received:	10/23/2024 12:00:00 AM
Client Sample ID:	A4EW6	SDG No.:	BP102924
Lab Sample ID:	P4492-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BP022725.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.354	*	10-130		8	SPK: -40
1719-06-8	Anthracene-d10	8.571		10-150		21	SPK: -40
1718-52-1	Pyrene-d10	9.297		10-130		23	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.033		10-140		18	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86461	7.64				
1146-65-2	Naphthalene-d8	336061	10.404				
15067-26-2	Acenaphthene-d10	265384	14.263				
1517-22-2	Phenanthrene-d10	634787	17.069				
1719-03-5	Chrysene-d12	658703	21.492				
1520-96-3	Perylene-d12	818004	24.745				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	400	J			15.651	
288246-53-7	Pyridine-3-carboxamide, oxime, N-(	150	J			21.174	
E966796	Total Alkanes	46	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SLCS416	SDG No.:	BP102924
Lab Sample ID:	PB164416BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022726.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	290		11	6.6	67	ug/Kg
100-52-7	Benzaldehyde	140	J	45	82.5	330	ug/Kg
110-86-1	Pyridine	800		33	170	330	ug/Kg
108-95-2	Phenol	900		43	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	850		40	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	940		23	42.5	170	ug/Kg
95-48-7	2-Methylphenol	910		39	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	830		60	82.5	330	ug/Kg
98-86-2	Acetophenone	850		40	82.5	330	ug/Kg
106-44-5	4-Methylphenol	900		37	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	870		51	42.5	170	ug/Kg
67-72-1	Hexachloroethane	890		18	42.5	170	ug/Kg
98-95-3	Nitrobenzene	840		31	42.5	170	ug/Kg
78-59-1	Isophorone	850		48	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	940		31	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	890		25	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	840		43	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	980		16	42.5	170	ug/Kg
91-20-3	Naphthalene	890		25	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	530		24	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	920		44	42.5	170	ug/Kg
105-60-2	Caprolactam	850		72	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		49	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	890		33	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	910		23	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	500		95	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	920		49	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	950		39	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SLCS416	SDG No.:	BP102924
Lab Sample ID:	PB164416BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022726.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	870		24	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	870		26	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	880		41	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	850		29	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	940		44	42.5	170	ug/Kg
208-96-8	Acenaphthylene	870		32	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	880		44	82.5	330	ug/Kg
83-32-9	Acenaphthene	900		29	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	690		48	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	850		44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	900		32	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		43	42.5	170	ug/Kg
84-66-2	Diethylphthalate	870		30	42.5	170	ug/Kg
86-73-7	Fluorene	890		25	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	890		20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1000		31	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	800		77	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	900		33	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	900		24	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	970		29	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	980		32	42.5	170	ug/Kg
1912-24-9	Atrazine	940		71	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	940		74	82.5	330	ug/Kg
85-01-8	Phenanthrene	910		29	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	910		52	42.5	170	ug/Kg
120-12-7	Anthracene	890		25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	900		50	42.5	170	ug/Kg
86-74-8	Carbazole	890		28	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	910		61	42.5	170	ug/Kg
206-44-0	Fluoranthene	990		54	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SLCS416	SDG No.:	BP102924
Lab Sample ID:	PB164416BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022726.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	960		49	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	960		84	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	860		48	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	900		27	42.5	170	ug/Kg
218-01-9	Chrysene	900		31	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	910		96	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	910		76	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	930		33	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	950		38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	900		32	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		31	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	910		28	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	900		26	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	930		33	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.374		15-120		55	SPK: -8
7291-22-7	Pyridine-d5	23.995		20-120		60	SPK: -40
4165-62-2	Phenol-d5	26.899		10-130		67	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	24.83		10-150		62	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.1		15-120		70	SPK: -40
190780-66-6	4-Methylphenol-d8	27.079		10-140		68	SPK: -40
4165-60-0	Nitrobenzene-d5	27.374		10-135		68	SPK: -40
93951-78-1	2-Nitrophenol-d4	28.27		10-120		71	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.329		10-140		73	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.155		1-145		63	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.627		10-145		64	SPK: -40
93951-97-4	Acenaphthylene-d8	26.336		15-120		66	SPK: -40
93951-79-2	4-Nitrophenol-d4	24.977		10-150		62	SPK: -40
81103-79-9	Fluorene-d10	26.417		20-140		66	SPK: -40

Report of Analysis

Client:		Date Collected:	10/25/2024 12:00:00 AM
Project:		Date Received:	10/25/2024 12:00:00 AM
Client Sample ID:	SLCS416	SDG No.:	BP102924
Lab Sample ID:	PB164416BS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BP022726.D	1	10/25/2024 12:00:00 AM	10/30/2024 12:00:00 AM	PB164416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	23.672		10-130		59	SPK: -40
1719-06-8	Anthracene-d10	27.344		10-150		68	SPK: -40
1718-52-1	Pyrene-d10	28.921		10-130		72	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.004		10-140		70	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93259	7.64				
1146-65-2	Naphthalene-d8	361805	10.399				
15067-26-2	Acenaphthene-d10	296675	14.269				
1517-22-2	Phenanthrene-d10	707939	17.069				
1719-03-5	Chrysene-d12	724891	21.492				
1520-96-3	Perylene-d12	839892	24.739				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	24	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP102924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4F30								
P4492-06	A4F30	Solid	Benzophenone	*	680.000	J		
P4492-06	A4F30	Solid	n-Hexadecanoic acid	*	210.000	J		
P4492-06	A4F30	Solid	Total Alkanes	*	0.000	42	300	ug/Kg
			Total Tics :		890.00			
P4492-06	A4F30	Solid	Bis(2-ethylhexyl)phthalate		230.000	J 170	300	ug/Kg
			Total Svoc :		230.00			
			Total Concentration:		1,120.00			
Client ID : A4EL4								
P4492-08	A4EL4	Solid	Benzophenone	*	1,200.000	J		
P4492-08	A4EL4	Solid	n-Hexadecanoic acid	*	250.000	J		
P4492-08	A4EL4	Solid	Total Alkanes	*	0.000	51	360	ug/Kg
			Total Tics :		1,450.00			
P4492-08	A4EL4	Solid	Benzo(a)anthracene		100.000	J 58	360	ug/Kg
P4492-08	A4EL4	Solid	Benzo(a)pyrene		99.000	J 68	360	ug/Kg
P4492-08	A4EL4	Solid	Benzo(b)fluoranthene		120.000	J 71	360	ug/Kg
P4492-08	A4EL4	Solid	Chrysene		120.000	J 66	360	ug/Kg
P4492-08	A4EL4	Solid	Fluoranthene		240.000	J 120	360	ug/Kg
P4492-08	A4EL4	Solid	Phenanthrene		170.000	J 62	360	ug/Kg
P4492-08	A4EL4	Solid	Pyrene		220.000	J 100	360	ug/Kg
			Total Svoc :		1,069.00			
			Total Concentration:		2,519.00			
Client ID : A4EN0								
P4492-09	A4EN0	Solid	Benzophenone	*	1,300.000	J		
P4492-09	A4EN0	Solid	n-Hexadecanoic acid	*	480.000	J		
P4492-09	A4EN0	Solid	Supraene	*	140.000	J		
P4492-09	A4EN0	Solid	Total Alkanes	*	0.000	49	350	ug/Kg
			Total Tics :		1,920.00			
P4492-09	A4EN0	Solid	Benzo(a)anthracene		79.000	J 55	350	ug/Kg
P4492-09	A4EN0	Solid	Benzo(a)pyrene		71.000	J 65	350	ug/Kg
P4492-09	A4EN0	Solid	Benzo(b)fluoranthene		89.000	J 67	350	ug/Kg
P4492-09	A4EN0	Solid	Chrysene		91.000	J 63	350	ug/Kg
P4492-09	A4EN0	Solid	Fluoranthene		190.000	J 110	350	ug/Kg
P4492-09	A4EN0	Solid	Phenanthrene		88.000	J 59	350	ug/Kg
P4492-09	A4EN0	Solid	Pyrene		160.000	J 100	350	ug/Kg
			Total Svoc :		768.00			
			Total Concentration:		2,688.00			

Hit Summary Sheet SW-846

SDG No.: BP102924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4EN8								
P4492-10	A4EN8	Solid	Adipic acid, 2-ethylhexyl octyl es *	2,200.000	J			
P4492-10	A4EN8	Solid	Benzophenone *	1,100.000	J			
P4492-10	A4EN8	Solid	n-Hexadecanoic acid *	480.000	J			
P4492-10	A4EN8	Solid	Total Alkanes *	0.000		53	370	ug/Kg
Total Tics :				3,780.00				
P4492-10	A4EN8	Solid	Benzo(a)anthracene	100.000	J	59	370	ug/Kg
P4492-10	A4EN8	Solid	Benzo(a)pyrene	97.000	J	70	370	ug/Kg
P4492-10	A4EN8	Solid	Benzo(b)fluoranthene	120.000	J	72	370	ug/Kg
P4492-10	A4EN8	Solid	Chrysene	120.000	J	68	370	ug/Kg
P4492-10	A4EN8	Solid	Fluoranthene	280.000	J	120	370	ug/Kg
P4492-10	A4EN8	Solid	Phenanthrene	200.000	J	64	370	ug/Kg
P4492-10	A4EN8	Solid	Pyrene	230.000	J	110	370	ug/Kg
Total Svoc :				1,147.00				
Total Concentration:				4,927.00				
Client ID : A4ER0								
P4492-12	A4ER0	Solid	Benzophenone *	610.000	J			
P4492-12	A4ER0	Solid	n-Hexadecanoic acid *	180.000	J			
P4492-12	A4ER0	Solid	Total Alkanes *	0.000		37	260	ug/Kg
Total Tics :				790.00				
Total Concentration:				790.00				
Client ID : A4ET0								
P4492-13	A4ET0	Solid	Benzophenone *	1,500.000	J			
P4492-13	A4ET0	Solid	n-Hexadecanoic acid *	340.000	J			
P4492-13	A4ET0	Solid	Total Alkanes *	0.000		73	520	ug/Kg
Total Tics :				1,840.00				
Total Concentration:				1,840.00				
Client ID : A4EW6								
P4492-14	A4EW6	Solid	Benzophenone *	400.000	J			
P4492-14	A4EW6	Solid	Pyridine-3-carboxamide, oxime, N *	150.000	J			
P4492-14	A4EW6	Solid	Total Alkanes *	0.000		46	330	ug/Kg
Total Tics :				550.00				
P4492-14	A4EW6	Solid	Acetophenone	160.000	J	77	640	ug/Kg
P4492-14	A4EW6	Solid	Fluoranthene	110.000	J	100	330	ug/Kg
Total Svoc :				270.00				
Total Concentration:				820.00				
Client ID : A4EY9								
P4492-16	A4EY9	Solid	Benzophenone *	760.000	J			
P4492-16	A4EY9	Solid	n-Hexadecanoic acid *	280.000	J			

Hit Summary Sheet SW-846

SDG No.: BP102924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4492-16	A4EY9	Solid	Total Alkanes	*	0.000	45	320	ug/Kg
Total Tics :					1,040.00			
P4492-16	A4EY9	Solid	Benzo(a)anthracene	64.000	J	51	320	ug/Kg
P4492-16	A4EY9	Solid	Benzo(b)fluoranthene	73.000	J	62	320	ug/Kg
P4492-16	A4EY9	Solid	Chrysene	65.000	J	58	320	ug/Kg
P4492-16	A4EY9	Solid	Fluoranthene	150.000	J	100	320	ug/Kg
P4492-16	A4EY9	Solid	Phenanthrene	110.000	J	54	320	ug/Kg
P4492-16	A4EY9	Solid	Pyrene	130.000	J	92	320	ug/Kg
Total Svoc :					592.00			
Total Concentration:					1,632.00			

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP100724 SAS No.: BP100724 SDG No.: BP100724

Instrument ID: _____ Calibration Date(s): 10/7/2024 : _____

Calibration Time(s): 16:41 _____

LAB FILE ID:	RRFAL1 = BP022257.D			RRFAL2 = BP022258.D		RRFAL3 = BP022259.D		
	RRFAL4 = BP022260.D			RRFAL5 = BP022261.D		RRFAL6 = BP022262.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.554	0.573	0.557	0.571	0.511		0.553	4.6
Benzaldehyde		1.063	0.934	1.100	0.803	0.648	0.910	20.6
Pyridine		1.509	1.423	1.491	1.444	1.376	1.449	3.7
Hexachloroethane	0.552	0.620	0.554	0.575	0.576		0.575	4.8
Nitrobenzene	0.435	0.489	0.451	0.461	0.458		0.459	4.3
Isophorone	0.741	0.864	0.808	0.851	0.851		0.823	6.1
2-Nitrophenol	0.163	0.200	0.186	0.206	0.205		0.192	9.5
2,4-Dimethylphenol	0.376	0.447	0.402	0.422	0.439		0.417	6.9
Bis(2-Chloroethoxy)methane	0.426	0.500	0.460	0.473	0.477		0.467	5.9
2,4-Dichlorophenol	0.330	0.391	0.357	0.391	0.394		0.373	7.5
Naphthalene	1.002	1.150	1.035	1.076	1.062		1.065	5.2
4-Chloroaniline		0.454	0.413	0.455	0.461	0.424	0.441	4.9
Hexachlorobutadiene	0.312	0.350	0.301	0.310	0.297		0.314	6.6
Phenol		1.718	1.601	1.771	1.863	1.805	1.752	5.7
Caprolactam		0.113	0.108	0.128	0.127	0.124	0.120	7.5
4-Chloro-3-methylphenol	0.341	0.419	0.389	0.447	0.438		0.407	10.6
1-Methylnaphthalene	0.717	0.835	0.777	0.846	0.816		0.798	6.6
2-Methylnaphthalene	0.721	0.818	0.742	0.832	0.798		0.782	6.2
Hexachlorocyclopentadiene		0.469	0.444	0.446	0.438	0.455	0.451	2.7
2,4,6-Trichlorophenol	0.418	0.496	0.446	0.472	0.494		0.465	7.1
2,4,5-Trichlorophenol	0.441	0.509	0.477	0.513	0.537		0.495	7.5
1,1-Biphenyl	1.362	1.601	1.393	1.423	1.429		1.442	6.5
2-Chloronaphthalene	1.099	1.289	1.163	1.167	1.182		1.180	5.8
2-Nitroaniline	0.322	0.354	0.338	0.374	0.373		0.352	6.4
Bis(2-Chloroethyl)ether		1.301	1.281	1.331	1.357	1.285	1.311	2.5
Dimethylphthalate	1.477	1.717	1.563	1.575	1.584		1.583	5.4
2,6-Dinitrotoluene	0.238	0.304	0.295	0.321	0.340		0.299	12.9
Acenaphthylene	1.581	1.845	1.795	1.784	1.754		1.752	5.8
3-Nitroaniline		0.275	0.263	0.301	0.281	0.286	0.281	5.0
Acenaphthene	1.196	1.338	1.187	1.227	1.246		1.239	4.9
2,4-Dinitrophenol		0.183	0.187	0.225	0.239	0.268	0.220	16.3
4-Nitrophenol		0.291	0.283	0.305	0.306	0.295	0.296	3.2
Dibenzofuran	1.754	2.038	1.799	1.853	1.859		1.861	5.8
2,4-Dinitrotoluene	0.365	0.496	0.456	0.498	0.511		0.465	12.8
Diethylphthalate	1.395	1.607	1.506	1.545	1.542		1.519	5.1
2-Chlorophenol	1.143	1.264	1.197	1.270	1.302		1.235	5.2

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP100724 SAS No.: BP100724 SDG No.: BP100724

Instrument ID: _____ Calibration Date(s): 10/7/2024 : _____

Calibration Time(s): 16:41 _____

LAB FILE ID:		RRFAL1 = BP022257.D		RRFAL2 = BP022258.D		RRFAL3 = BP022259.D		
		RRFAL4 = BP022260.D		RRFAL5 = BP022261.D		RRFAL6 = BP022262.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.430	1.629	1.503	1.510	1.508		1.516	4.7
4-Chlorophenyl-phenylether	0.834	0.928	0.847	0.856	0.869		0.867	4.2
4-Nitroaniline		0.291	0.280	0.315	0.277	0.252	0.283	8.1
4,6-Dinitro-2-methylphenol		0.135	0.130	0.147	0.148	0.149	0.142	6.1
N-Nitrosodiphenylamine	0.504	0.584	0.518	0.535	0.537		0.536	5.7
1,2,4,5-Tetrachlorobenzene	0.708	0.818	0.706	0.729	0.737		0.740	6.2
4-Bromophenyl-phenylether	0.228	0.259	0.241	0.237	0.241		0.241	4.7
Hexachlorobenzene	0.291	0.322	0.287	0.286	0.298		0.297	5.0
Atrazine		0.256	0.201	0.233	0.238	0.184	0.223	13.1
Pentachlorophenol		0.181	0.170	0.192	0.205	0.206	0.191	8.1
2-Methylphenol		1.202	1.182	1.293	1.366	1.312	1.271	6.1
Phenanthrene	1.022	1.152	1.059	1.056	1.061		1.070	4.5
Pentachlorobenzene	0.340	0.375	0.313	0.327	0.329		0.337	7.0
Anthracene	0.990	1.135	1.068	1.071	1.075		1.068	4.8
1,2,3,4-Tetrachlorobenzene	0.300	0.339	0.282	0.299	0.303		0.305	6.8
Carbazole		1.008	0.931	0.959	0.933	0.893	0.945	4.5
Di-n-butylphthalate	0.957	1.097	1.050	1.060	1.063		1.045	5.0
Fluoranthene	1.076	1.286	1.162	1.260	1.295		1.216	7.8
Pyrene	1.196	1.405	1.223	1.341	1.351		1.303	6.9
Butylbenzylphthalate	0.410	0.470	0.439	0.472	0.477		0.454	6.3
3,3-Dichlorobenzidine		0.506	0.464	0.505	0.456	0.453	0.477	5.6
2,2-oxybis (1-Chloropropane)		1.619	1.505	1.550	1.538	1.406	1.524	5.1
Benzo (a) anthracene	1.324	1.501	1.373	1.421	1.392		1.402	4.7
Chrysene	1.241	1.405	1.246	1.305	1.304		1.300	5.1
Bis (2-ethylhexyl) phthalate	0.601	0.704	0.624	0.663	0.664		0.651	6.1
Di-n-octyl phthalate		0.973	0.893	0.937	0.984	0.970	0.951	3.9
Benzo (b) fluoranthene	1.122	1.335	1.231	1.279	1.327		1.259	6.9
Benzo (k) fluoranthene	1.113	1.308	1.206	1.249	1.287		1.233	6.2
Benzo (a) pyrene	1.041	1.213	1.141	1.179	1.219		1.159	6.3
Indeno (1,2,3-cd) pyrene	1.484	1.650	1.456	1.536	1.605		1.546	5.3
Dibenzo (a,h) anthracene	1.203	1.329	1.219	1.229	1.279		1.252	4.1
Benzo (g,h,i) perylene	1.130	1.258	1.176	1.198	1.252		1.203	4.5
Acetophenone		2.253	2.087	2.271	2.328	2.152	2.218	4.4
2,3,4,6-Tetrachlorophenol	0.413	0.471	0.449	0.486	0.493		0.462	7.1
1,4-Dioxane-d8	0.534	0.566	0.473	0.528	0.473		0.515	7.9
Pyridine-d5		1.448	1.357	1.468	1.415	1.377	1.413	3.3

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP100724 SAS No.: BP100724 SDG No.: BP100724
Instrument ID: _____ Calibration Date(s): 10/7/2024 : _____
Calibration Time(s): 16:41 _____

LAB FILE ID:		RRFAL1 = BP022257.D			RRFAL2 = BP022258.D		RRFAL3 = BP022259.D	
		RRFAL4 = BP022260.D			RRFAL5 = BP022261.D		RRFAL6 = BP022262.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.627	1.561	1.694	1.785	1.750	1.684	5.4
Bis-(2-Chloroethyl)ether-d8		1.033	0.973	0.992	1.004	0.945	0.989	3.3
2-Chlorophenol-d4	1.073	1.236	1.160	1.230	1.274		1.195	6.6
4-Methylphenol-d8		1.277	1.230	1.385	1.449	1.377	1.344	6.6
Nitrobenzene-d5	0.139	0.157	0.150	0.161	0.162		0.154	6.2
2-Nitrophenol-d4	0.152	0.178	0.175	0.190	0.195		0.178	9.5
2,4-Dichlorophenol-d3	0.328	0.397	0.368	0.397	0.402		0.378	8.3
4-Chloroaniline-d4		0.462	0.423	0.462	0.461	0.426	0.447	4.6
4-Methylphenol		1.381	1.291	1.453	1.506	1.420	1.410	5.7
Dimethylphthalate-d6	1.498	1.686	1.560	1.608	1.593		1.589	4.3
Acenaphthylene-d8	1.529	1.784	1.643	1.745	1.738		1.688	6.1
4-Nitrophenol-d4		0.250	0.250	0.276	0.283	0.274	0.267	5.7
Fluorene-d10	1.270	1.487	1.333	1.401	1.400		1.378	5.9
4,6-Dinitro-2-methylphenol-		0.121	0.123	0.134	0.138	0.142	0.132	7.1
Anthracene-d10	0.881	1.002	0.927	0.937	0.957		0.941	4.7
Pyrene-d10	0.951	1.118	1.008	1.101	1.109		1.058	7.0
Benzo(a)pyrene-d12	0.962	1.129	1.011	1.102	1.137		1.068	7.2
N-Nitroso-di-n-propylamine	0.989	1.157	1.086	1.184	1.203		1.124	7.8

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.: BP102924 SAS No.: BP102924 SDG NO.: BP102924

EPA Sample No.: SSTD020623 Date Analyzed: Oct 29 2024 12:00AM

Lab File ID: BP022259.D Time Analyzed: 18:08

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	83605	7.705	315808	10.46	242644	14.32
UPPER LIMIT	167210	8.205	631616	10.963	485288	14.816
LOWER LIMIT	41802.5	7.205	157904	9.963	121322	13.816
EPA SAMPLE NO.						
01 SBLK416	73627	7.64	283664	10.39	228749	14.25
02 A4F29MS	68025	7.64	267269	10.40	229003	14.26
03 A4F29MSD	101306	7.64	397543	10.39	315068	14.26
04 A4F30	95958	7.64	379008	10.39	298243	14.26
05 A4EL4	91972	7.64	355675	10.40	275781	14.26
06 A4EN0	97098	7.64	373854	10.40	298906	14.26
07 A4ET0	93384	7.64	364252	10.39	292315	14.26
08 A4EN8	98642	7.65	388456	10.39	300926	14.26
09 A4EY9	87959	7.64	345990	10.40	269106	14.27
10 A4ER0	84148	7.64	324641	10.39	255895	14.26
11 A4EW6	86461	7.64	336061	10.40	265384	14.26
12 SLCS416	93259	7.64	361805	10.40	296675	14.27

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP102924 SAS No.: BP102924 SDG NO.: BP102924

EPA Sample No.: SSTD020687 Date Analyzed: Oct 29 2024 12:00AM

Lab File ID: BP022714.D Time Analyzed: 18:08

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	45489	7.646	186580	10.40	172485	14.26
UPPER LIMIT	90978	8.146	373160	10.898	344970	14.757
LOWER LIMIT	22744.5	7.146	93290	9.898	86242.5	13.757
EPA SAMPLE NO.						
01 SBLK416	73627	7.64	283664	10.39	228749	14.25
02 A4F29MS	68025	7.64	267269	10.40	229003	14.26
03 A4F29MSD	101306 *	7.64	397543 *	10.39	315068	14.26
04 A4F30	95958 *	7.64	379008 *	10.39	298243	14.26
05 A4EL4	91972 *	7.64	355675	10.40	275781	14.26
06 A4EN0	97098 *	7.64	373854 *	10.40	298906	14.26
07 A4ET0	93384 *	7.64	364252	10.39	292315	14.26
08 A4EN8	98642 *	7.65	388456 *	10.39	300926	14.26
09 A4EY9	87959	7.64	345990	10.40	269106	14.27
10 A4ER0	84148	7.64	324641	10.39	255895	14.26
11 A4EW6	86461	7.64	336061	10.40	265384	14.26
12 SLCS416	93259 *	7.64	361805	10.40	296675	14.27

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.: BP102924 SAS No.: BP102924 SDG NO.: BP102924

EPA Sample No.: SSTD020623 Date Analyzed: Oct 29 2024 12:00AM

Lab File ID: BP022259.D Time Analyzed: 18:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	593138	17.11	695777	21.539	837782	24.821
UPPER LIMIT	1186276	17.61	1391554	22.039	1675564	25.321
LOWER LIMIT	296569	16.61	347888.5	21.039	418891	24.321
EPA SAMPLE NO.						
01 SBLK416	558406	17.06	587447	21.50	651713	24.76
02 A4F29MS	599884	17.08	703094	21.50	836622	24.74
03 A4F29MSD	747758	17.07	765333	21.51	876554	24.76
04 A4F30	707770	17.06	744331	21.50	901412	24.76
05 A4EL4	640373	17.06	721800	21.49	897789	24.74
06 A4EN0	697566	17.07	700918	21.49	837538	24.75
07 A4ET0	687346	17.07	705465	21.50	850119	24.75
08 A4EN8	690163	17.06	682318	21.50	829249	24.75
09 A4EY9	647952	17.07	690781	21.49	817692	24.73
10 A4ER0	599325	17.06	677178	21.50	833382	24.75
11 A4EW6	634787	17.07	658703	21.49	818004	24.75
12 SLCS416	707939	17.07	724891	21.49	839892	24.74

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.: BP102924 SAS No.: BP102924 SDG NO.: BP102924

EPA Sample No.: SSTD020687 Date Analyzed: Oct 29 2024 12:00AM

Lab File ID: BP022714.D Time Analyzed: 18:08

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	452335	17.057	595415	21.492	763228	24.745
UPPER LIMIT	904670	17.557	1190830	21.992	1526456	25.245
LOWER LIMIT	226167.5	16.557	297707.5	20.992	381614	24.245
EPA SAMPLE NO.						
01 SBLK416	558406	17.06	587447	21.50	651713	24.76
02 A4F29MS	599884	17.08	703094	21.50	836622	24.74
03 A4F29MSD	747758	17.07	765333	21.51	876554	24.76
04 A4F30	707770	17.06	744331	21.50	901412	24.76
05 A4EL4	640373	17.06	721800	21.49	897789	24.74
06 A4EN0	697566	17.07	700918	21.49	837538	24.75
07 A4ET0	687346	17.07	705465	21.50	850119	24.75
08 A4EN8	690163	17.06	682318	21.50	829249	24.75
09 A4EY9	647952	17.07	690781	21.49	817692	24.73
10 A4ER0	599325	17.06	677178	21.50	833382	24.75
11 A4EW6	634787	17.07	658703	21.49	818004	24.75
12 SLCS416	707939	17.07	724891	21.49	839892	24.74

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.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164416BS	1,4-Dioxane	530	290	ug/Kg	55				0	0		
	Benzaldehyde	1300	140	ug/Kg	11				0	0		
	Pyridine	1300	800	ug/Kg	62				0	0		
	Phenol	1300	900	ug/Kg	69				0	0		
	Bis(2-chloroethyl)ether	1300	850	ug/Kg	65				0	0		
	2-Chlorophenol	1300	940	ug/Kg	72				0	0		
	2-Methylphenol	1300	910	ug/Kg	70				0	0		
	2,2-oxybis(1-Chloropropane)	1300	830	ug/Kg	64				0	0		
	Acetophenone	1300	850	ug/Kg	65				0	0		
	4-Methylphenol	1300	900	ug/Kg	69				0	0		
	N-Nitroso-di-n-propylamine	1300	870	ug/Kg	67				0	0		
	Hexachloroethane	1300	890	ug/Kg	68				0	0		
	Nitrobenzene	1300	840	ug/Kg	65				0	0		
	Isophorone	1300	850	ug/Kg	65				0	0		
	2-Nitrophenol	1300	940	ug/Kg	72				0	0		
	2,4-Dimethylphenol	1300	890	ug/Kg	68				0	0		
	Bis(2-chloroethoxy)methane	1300	840	ug/Kg	65				0	0		
	2,4-Dichlorophenol	1300	980	ug/Kg	75				0	0		
	Naphthalene	1300	890	ug/Kg	68				0	0		
	4-Chloroaniline	1300	530	ug/Kg	41				0	0		
	Hexachlorobutadiene	1300	920	ug/Kg	71				0	0		
	Caprolactam	1300	850	ug/Kg	65				0	0		
	4-Chloro-3-methylphenol	1300	950	ug/Kg	73				0	0		
	1-Methylnaphthalene	1300	890	ug/Kg	68				0	0		
	2-Methylnaphthalene	1300	910	ug/Kg	70				0	0		
	Hexachlorocyclopentadiene	1300	500	ug/Kg	38				0	0		
	2,4,6-Trichlorophenol	1300	920	ug/Kg	71				0	0		
	2,4,5-Trichlorophenol	1300	950	ug/Kg	73				0	0		
	1,1'-Biphenyl	1300	870	ug/Kg	67				0	0		
	2-Chloronaphthalene	1300	870	ug/Kg	67				0	0		
	2-Nitroaniline	1300	880	ug/Kg	68				0	0		
	Dimethylphthalate	1300	850	ug/Kg	65				0	0		
	2,6-Dinitrotoluene	1300	940	ug/Kg	72				0	0		
	Acenaphthylene	1300	870	ug/Kg	67				0	0		
	3-Nitroaniline	1300	880	ug/Kg	68				0	0		
	Acenaphthene	1300	900	ug/Kg	69				0	0		
	2,4-Dinitrophenol	1300	690	ug/Kg	53				0	0		
	4-Nitrophenol	1300	850	ug/Kg	65				0	0		
	Dibenzofuran	1300	900	ug/Kg	69				0	0		
	2,4-Dinitrotoluene	1300	930	ug/Kg	72				0	0		
	Diethylphthalate	1300	870	ug/Kg	67				0	0		
	Fluorene	1300	890	ug/Kg	68				0	0		
	4-Chlorophenyl-phenylether	1300	890	ug/Kg	68				0	0		
	4-Nitroaniline	1300	1000	ug/Kg	77				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164416BS	4,6-Dinitro-2-methylphenol	1300	800	ug/Kg	62					0	0	
	N-Nitrosodiphenylamine	1300	900	ug/Kg	69					0	0	
	1,2,4,5-Tetrachlorobenzene	1300	900	ug/Kg	69					0	0	
	4-Bromophenyl-phenylether	1300	970	ug/Kg	75					0	0	
	Hexachlorobenzene	1300	980	ug/Kg	75					0	0	
	Atrazine	1300	940	ug/Kg	72					0	0	
	Pentachlorophenol	1300	940	ug/Kg	72					0	0	
	Phenanthrene	1300	910	ug/Kg	70					0	0	
	Pentachlorobenzene	1300	910	ug/Kg	70					0	0	
	Anthracene	1300	890	ug/Kg	68					0	0	
	1,2,3,4-Tetrachlorobenzene	1300	900	ug/Kg	69					0	0	
	Carbazole	1300	890	ug/Kg	68					0	0	
	Di-n-butylphthalate	1300	910	ug/Kg	70					0	0	
	Fluoranthene	1300	990	ug/Kg	76					0	0	
	Pyrene	1300	960	ug/Kg	74					0	0	
	Butylbenzylphthalate	1300	960	ug/Kg	74					0	0	
	3,3'-Dichlorobenzidine	1300	860	ug/Kg	66					0	0	
	Benzo(a)anthracene	1300	900	ug/Kg	69					0	0	
	Chrysene	1300	900	ug/Kg	69					0	0	
	Bis(2-ethylhexyl)phthalate	1300	910	ug/Kg	70					0	0	
	Di-n-octylphthalate	1300	910	ug/Kg	70					0	0	
	Benzo(b)fluoranthene	1300	930	ug/Kg	72					0	0	
	Benzo(k)fluoranthene	1300	950	ug/Kg	73					0	0	
	Benzo(a)pyrene	1300	900	ug/Kg	69					0	0	
	Indeno(1,2,3-cd)pyrene	1300	910	ug/Kg	70					0	0	
	Dibenzo(a,h)anthracene	1300	910	ug/Kg	70					0	0	
	Benzo(g,h,i)perylene	1300	900	ug/Kg	69					0	0	
	2,3,4,6-Tetrachlorophenol	1300	930	ug/Kg	72					0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK416

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP102924

SAS No.: BP102924 SDG NO.: BP102924

Lab File ID: BP022715.D

Lab Sample ID: PB164416BL

Instrument ID: BNA_P

Date Extracted: 10/25/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/29/2024

Level: (low/med) LOW

Time Analyzed: 18:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4F29MS	P4492-04MS	BP022716.D	10/29/2024
A4F29MSD	P4492-05MSD	BP022717.D	10/29/2024
A4F30	P4492-06	BP022718.D	10/29/2024
A4EL4	P4492-08	BP022719.D	10/29/2024
A4EN0	P4492-09	BP022720.D	10/29/2024
A4ET0	P4492-13	BP022721.D	10/29/2024
A4EN8	P4492-10	BP022722.D	10/29/2024
A4EY9	P4492-16	BP022723.D	10/29/2024
A4ER0	P4492-12	BP022724.D	10/30/2024
A4EW6	P4492-14	BP022725.D	10/30/2024
PB164416BS	PB164416BS	BP022726.D	10/30/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4492-04MS	Client Sample ID:	A4F29MS				DataFile:	BP022716.D			
1,4-Dioxane	1800		1500	ug/Kg	83				15	120	
Benzaldehyde	4400		810	ug/Kg	18				0	0	
Pyridine	4400		3900	ug/Kg	89				0	0	
Phenol	4400		4400	ug/Kg	100	*			26	90	
Bis(2-chloroethyl)ether	4400		4000	ug/Kg	91				0	0	
2-Chlorophenol	4400		4400	ug/Kg	100				25	102	
2-Methylphenol	4400		4200	ug/Kg	95				0	0	
2,2-oxybis(1-Chloropropane)	4400		3900	ug/Kg	89				0	0	
Acetophenone	4400		4100	ug/Kg	93				0	0	
4-Methylphenol	4400		4200	ug/Kg	95				0	0	
N-Nitroso-di-n-propylamine	4400		4200	ug/Kg	95				41	126	
Hexachloroethane	4400		4400	ug/Kg	100				0	0	
Nitrobenzene	4400		4200	ug/Kg	95				0	0	
Isophorone	4400		4100	ug/Kg	93				0	0	
2-Nitrophenol	4400		4400	ug/Kg	100				0	0	
2,4-Dimethylphenol	4400		4300	ug/Kg	98				0	0	
Bis(2-chloroethoxy)methane	4400		4100	ug/Kg	93				0	0	
2,4-Dichlorophenol	4400		4600	ug/Kg	105				0	0	
Naphthalene	4400		4300	ug/Kg	98				0	0	
4-Chloroaniline	4400		2600	ug/Kg	59				0	0	
Hexachlorobutadiene	4400		4500	ug/Kg	102				0	0	
Caprolactam	4400		4100	ug/Kg	93				0	0	
4-Chloro-3-methylphenol	4400		4700	ug/Kg	107	*			26	103	
1-Methylnaphthalene	4400		4400	ug/Kg	100				0	0	
2-Methylnaphthalene	4400		4500	ug/Kg	102				0	0	
Hexachlorocyclopentadiene	4400		2600	ug/Kg	59				0	0	
2,4,6-Trichlorophenol	4400		4400	ug/Kg	100				0	0	
2,4,5-Trichlorophenol	4400		4600	ug/Kg	105				0	0	
1,1'-Biphenyl	4400		4100	ug/Kg	93				0	0	
2-Chloronaphthalene	4400		4100	ug/Kg	93				0	0	
2-Nitroaniline	4400		4300	ug/Kg	98				0	0	
Dimethylphthalate	4400		4100	ug/Kg	93				0	0	
2,6-Dinitrotoluene	4400		4500	ug/Kg	102				0	0	
Acenaphthylene	4400		4200	ug/Kg	95				0	0	
3-Nitroaniline	4400		4100	ug/Kg	93				0	0	
Acenaphthene	4400		4300	ug/Kg	98				31	137	
2,4-Dinitrophenol	4400		3900	ug/Kg	89				0	0	
4-Nitrophenol	4400		4500	ug/Kg	102				11	114	
Dibenzofuran	4400		4400	ug/Kg	100				0	0	
2,4-Dinitrotoluene	4400		4700	ug/Kg	107	*			28	89	
Diethylphthalate	4400		4400	ug/Kg	100				0	0	
Fluorene	4400		4400	ug/Kg	100				0	0	
4-Chlorophenyl-phenylether	4400		4500	ug/Kg	102				0	0	
4-Nitroaniline	4400		4900	ug/Kg	111				0	0	
4,6-Dinitro-2-methylphenol	4400		3800	ug/Kg	86				0	0	
N-Nitrosodiphenylamine	4400		4100	ug/Kg	93				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	4400		4200	ug/Kg	95				0	0	
4-Bromophenyl-phenylether	4400		4400	ug/Kg	100				0	0	
Hexachlorobenzene	4400		4400	ug/Kg	100				0	0	
Atrazine	4400		4500	ug/Kg	102				0	0	
Pentachlorophenol	4400		4500	ug/Kg	102				17	109	
Phenanthrene	4400		4300	ug/Kg	98				0	0	
Pentachlorobenzene	4400		4100	ug/Kg	93				0	0	
Anthracene	4400		4300	ug/Kg	98				0	0	
1,2,3,4-Tetrachlorobenzene	4400		4000	ug/Kg	91				0	0	
Carbazole	4400		4200	ug/Kg	95				0	0	
Di-n-butylphthalate	4400		4300	ug/Kg	98				0	0	
Fluoranthene	4400	0	4400	ug/Kg	100				0	0	
Pyrene	4400	0	4400	ug/Kg	100				35	142	
Butylbenzylphthalate	4400		4300	ug/Kg	98				0	0	
3,3'-Dichlorobenzidine	4400		3400	ug/Kg	77				0	0	
Benzo(a)anthracene	4400		4300	ug/Kg	98				0	0	
Chrysene	4400		4300	ug/Kg	98				0	0	
Bis(2-ethylhexyl)phthalate	4400		4200	ug/Kg	95				0	0	
Di-n-octylphthalate	4400		4300	ug/Kg	98				0	0	
Benzo(b)fluoranthene	4400	110	4400	ug/Kg	98				0	0	
Benzo(k)fluoranthene	4400		4400	ug/Kg	100				0	0	
Benzo(a)pyrene	4400		4400	ug/Kg	100				0	0	
Indeno(1,2,3-cd)pyrene	4400		4400	ug/Kg	100				0	0	
Dibenzo(a,h)anthracene	4400		4300	ug/Kg	98				0	0	
Benzo(g,h,i)perylene	4400		4400	ug/Kg	100				0	0	
2,3,4,6-Tetrachlorophenol	4400		4700	ug/Kg	107				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4492-05MSD	Client Sample ID:	A4F29MSD					DataFile:	BP022717.D		
1,4-Dioxane	1800		1300	ug/Kg	72		14		15	120	50
Benzaldehyde	4400		700	ug/Kg	16		12	*	0	0	0
Pyridine	4400		3300	ug/Kg	75		17	*	0	0	0
Phenol	4400		3900	ug/Kg	89		12		26	90	35
Bis(2-chloroethyl)ether	4400		3600	ug/Kg	82		10	*	0	0	0
2-Chlorophenol	4400		3900	ug/Kg	89		12		25	102	50
2-Methylphenol	4400		3900	ug/Kg	89		7	*	0	0	0
2,2-oxybis(1-Chloropropane)	4400		3600	ug/Kg	82		8	*	0	0	0
Acetophenone	4400		3700	ug/Kg	84		10	*	0	0	0
4-Methylphenol	4400		3900	ug/Kg	89		7	*	0	0	0
N-Nitroso-di-n-propylamine	4400		3700	ug/Kg	84		12		41	126	38
Hexachloroethane	4400		3800	ug/Kg	86		15	*	0	0	0
Nitrobenzene	4400		3700	ug/Kg	84		12	*	0	0	0
Isophorone	4400		3700	ug/Kg	84		10	*	0	0	0
2-Nitrophenol	4400		3900	ug/Kg	89		12	*	0	0	0
2,4-Dimethylphenol	4400		3800	ug/Kg	86		13	*	0	0	0
Bis(2-chloroethoxy)methane	4400		3600	ug/Kg	82		13	*	0	0	0
2,4-Dichlorophenol	4400		4100	ug/Kg	93		12	*	0	0	0
Naphthalene	4400		3800	ug/Kg	86		13	*	0	0	0
4-Chloroaniline	4400		2200	ug/Kg	50		17	*	0	0	0
Hexachlorobutadiene	4400		3800	ug/Kg	86		17	*	0	0	0
Caprolactam	4400		3600	ug/Kg	82		13	*	0	0	0
4-Chloro-3-methylphenol	4400		4000	ug/Kg	91		16		26	103	33
1-Methylnaphthalene	4400		3700	ug/Kg	84		17	*	0	0	0
2-Methylnaphthalene	4400		3900	ug/Kg	89		14	*	0	0	0
Hexachlorocyclopentadiene	4400		2300	ug/Kg	52		13	*	0	0	0
2,4,6-Trichlorophenol	4400		4000	ug/Kg	91		9	*	0	0	0
2,4,5-Trichlorophenol	4400		4100	ug/Kg	93		12	*	0	0	0
1,1'-Biphenyl	4400		3800	ug/Kg	86		8	*	0	0	0
2-Chloronaphthalene	4400		3800	ug/Kg	86		8	*	0	0	0
2-Nitroaniline	4400		3800	ug/Kg	86		13	*	0	0	0
Dimethylphthalate	4400		3600	ug/Kg	82		13	*	0	0	0
2,6-Dinitrotoluene	4400		4100	ug/Kg	93		9	*	0	0	0
Acenaphthylene	4400		3700	ug/Kg	84		12	*	0	0	0
3-Nitroaniline	4400		3700	ug/Kg	84		10	*	0	0	0
Acenaphthene	4400		3800	ug/Kg	86		13		31	137	19
2,4-Dinitrophenol	4400		3300	ug/Kg	75		17	*	0	0	0
4-Nitrophenol	4400		3700	ug/Kg	84		19		11	114	50
Dibenzofuran	4400		3800	ug/Kg	86		15	*	0	0	0
2,4-Dinitrotoluene	4400		3900	ug/Kg	89		18		28	89	47
Diethylphthalate	4400		3700	ug/Kg	84		17	*	0	0	0
Fluorene	4400		3800	ug/Kg	86		15	*	0	0	0
4-Chlorophenyl-phenylether	4400		3800	ug/Kg	86		17	*	0	0	0
4-Nitroaniline	4400		4100	ug/Kg	93		18	*	0	0	0
4,6-Dinitro-2-methylphenol	4400		3600	ug/Kg	82		5	*	0	0	0
N-Nitrosodiphenylamine	4400		3900	ug/Kg	89		4	*	0	0	0

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	4400		3900	ug/Kg	89	7	*		0	0	0
4-Bromophenyl-phenylether	4400		4100	ug/Kg	93	7	*		0	0	0
Hexachlorobenzene	4400		4100	ug/Kg	93	7	*		0	0	0
Atrazine	4400		4000	ug/Kg	91	11	*		0	0	0
Pentachlorophenol	4400		3900	ug/Kg	89	14			17	109	47
Phenanthrene	4400		3900	ug/Kg	89	10	*		0	0	0
Pentachlorobenzene	4400		3900	ug/Kg	89	4	*		0	0	0
Anthracene	4400		3800	ug/Kg	86	13	*		0	0	0
1,2,3,4-Tetrachlorobenzene	4400		4000	ug/Kg	91	0			0	0	0
Carbazole	4400		3700	ug/Kg	84	12	*		0	0	0
Di-n-butylphthalate	4400		3900	ug/Kg	89	10	*		0	0	0
Fluoranthene	4400	0	4300	ug/Kg	98	2	*		0	0	0
Pyrene	4400	0	4100	ug/Kg	93	7			35	142	36
Butylbenzylphthalate	4400		4000	ug/Kg	91	7	*		0	0	0
3,3'-Dichlorobenzidine	4400		3100	ug/Kg	70	10	*		0	0	0
Benzo(a)anthracene	4400		3900	ug/Kg	89	10	*		0	0	0
Chrysene	4400		3900	ug/Kg	89	10	*		0	0	0
Bis(2-ethylhexyl)phthalate	4400		4100	ug/Kg	93	2	*		0	0	0
Di-n-octylphthalate	4400		4000	ug/Kg	91	7	*		0	0	0
Benzo(b)fluoranthene	4400	110	4100	ug/Kg	91	7	*		0	0	0
Benzo(k)fluoranthene	4400		3900	ug/Kg	89	12	*		0	0	0
Benzo(a)pyrene	4400		3900	ug/Kg	89	12	*		0	0	0
Indeno(1,2,3-cd)pyrene	4400		4000	ug/Kg	91	9	*		0	0	0
Dibenzo(a,h)anthracene	4400		3900	ug/Kg	89	10	*		0	0	0
Benzo(g,h,i)perylene	4400		3900	ug/Kg	89	12	*		0	0	0
2,3,4,6-Tetrachlorophenol	4400		4000	ug/Kg	91	16	*		0	0	0

Surrogate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4492-04MS	A4F29MS	BP022716.D	1,4-Dioxane-d8	8	4.13	52		15	120
			Pyridine-d5	40	20.94	52		20	120
			Phenol-d5	40	25.93	65		10	130
			Bis(2-Chloroethyl)ether-d8	40	24.51	61		10	150
			2-Chlorophenol-d4	40	26.48	66		15	120
			4-Methylphenol-d8	40	26.76	67		10	140
			Nitrobenzene-d5	40	26.68	67		10	135
			2-Nitrophenol-d4	40	27.71	69		10	120
			2,4-Dichlorophenol-d3	40	29.84	75		10	140
			4-Chloroaniline-d4	40	22.44	56		1	145
			Dimethylphthalate-d6	40	27.04	68		10	145
			Acenaphthylene-d8	40	26.73	67		15	120
			4-Nitrophenol-d4	40	24.55	61		10	150
			Fluorene-d10	40	28.67	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.52	61		10	130
			Anthracene-d10	40	28.95	72		10	150
			Pyrene-d10	40	28.20	71		10	130
			Benzo(a)pyrene-d12	40	29.50	74		10	140
P4492-05MSD	A4F29MSD	BP022717.D	1,4-Dioxane-d8	8	3.55	44		15	120
			Pyridine-d5	40	18.18	45		20	120
			Phenol-d5	40	23.45	59		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.77	54		10	150
			2-Chlorophenol-d4	40	24.21	61		15	120
			4-Methylphenol-d8	40	24.10	60		10	140
			Nitrobenzene-d5	40	23.25	58		10	135
			2-Nitrophenol-d4	40	24.96	62		10	120
			2,4-Dichlorophenol-d3	40	25.89	65		10	140
			4-Chloroaniline-d4	40	20.23	51		1	145
			Dimethylphthalate-d6	40	24.41	61		10	145
			Acenaphthylene-d8	40	23.87	60		15	120
			4-Nitrophenol-d4	40	21.10	53		10	150
			Fluorene-d10	40	24.77	62		20	140
			4,6-Dinitro-2-methylphenol-d2	40	23.34	58		10	130
			Anthracene-d10	40	25.74	64		10	150
			Pyrene-d10	40	26.92	67		10	130
			Benzo(a)pyrene-d12	40	26.60	66		10	140
P4492-06	A4F30	BP022718.D	1,4-Dioxane-d8	8	2.41	30		15	120
			Pyridine-d5	40	11.65	29		20	120
			Phenol-d5	40	14.40	36		10	130
			Bis(2-Chloroethyl)ether-d8	40	14.18	35		10	150
			2-Chlorophenol-d4	40	15.02	38		15	120
			4-Methylphenol-d8	40	15.78	39		10	140
			Nitrobenzene-d5	40	14.78	37		10	135
			2-Nitrophenol-d4	40	15.47	39		10	120
			2,4-Dichlorophenol-d3	40	15.56	39		10	140
			4-Chloroaniline-d4	40	14.27	36		1	145
			Dimethylphthalate-d6	40	16.12	40		10	145
			Acenaphthylene-d8	40	16.10	40		15	120
			4-Nitrophenol-d4	40	10.36	26		10	150

Surrogate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4492-06	A4F30	BP022718.D	Fluorene-d10	40	16.43	41		20	140
			4,6-Dinitro-2-methylphenol-d2	40	7.80	19		10	130
			Anthracene-d10	40	16.80	42		10	150
			Pyrene-d10	40	17.96	45		10	130
			Benzo(a)pyrene-d12	40	17.61	44		10	140
P4492-08	A4EL4	BP022719.D	1,4-Dioxane-d8	8	2.77	35		15	120
			Pyridine-d5	40	13.94	35		20	120
			Phenol-d5	40	16.36	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	15.83	40		10	150
			2-Chlorophenol-d4	40	17.55	44		15	120
			4-Methylphenol-d8	40	17.33	43		10	140
			Nitrobenzene-d5	40	16.45	41		10	135
			2-Nitrophenol-d4	40	18.07	45		10	120
			2,4-Dichlorophenol-d3	40	17.87	45		10	140
			4-Chloroaniline-d4	40	16.49	41		1	145
			Dimethylphthalate-d6	40	18.59	46		10	145
			Acenaphthylene-d8	40	18.71	47		15	120
			4-Nitrophenol-d4	40	14.16	35		10	150
			Fluorene-d10	40	20.15	50		20	140
			4,6-Dinitro-2-methylphenol-d2	40	11.09	28		10	130
			Anthracene-d10	40	21.51	54		10	150
			Pyrene-d10	40	21.22	53		10	130
			Benzo(a)pyrene-d12	40	21.46	54		10	140
P4492-09	A4EN0	BP022720.D	1,4-Dioxane-d8	8	2.66	33		15	120
			Pyridine-d5	40	15.56	39		20	120
			Phenol-d5	40	18.86	47		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.25	46		10	150
			2-Chlorophenol-d4	40	19.81	50		15	120
			4-Methylphenol-d8	40	20.25	51		10	140
			Nitrobenzene-d5	40	20.32	51		10	135
			2-Nitrophenol-d4	40	21.13	53		10	120
			2,4-Dichlorophenol-d3	40	20.88	52		10	140
			4-Chloroaniline-d4	40	19.67	49		1	145
			Dimethylphthalate-d6	40	22.74	57		10	145
			Acenaphthylene-d8	40	22.49	56		15	120
			4-Nitrophenol-d4	40	16.65	42		10	150
			Fluorene-d10	40	23.88	60		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.51	31		10	130
			Anthracene-d10	40	24.73	62		10	150
			Pyrene-d10	40	27.48	69		10	130
			Benzo(a)pyrene-d12	40	26.33	66		10	140
P4492-10	A4EN8	BP022722.D	1,4-Dioxane-d8	8	2.45	31		15	120
			Pyridine-d5	40	13.48	34		20	120
			Phenol-d5	40	16.26	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.50	41		10	150
			2-Chlorophenol-d4	40	17.83	45		15	120
			4-Methylphenol-d8	40	17.52	44		10	140
			Nitrobenzene-d5	40	17.23	43		10	135
			2-Nitrophenol-d4	40	18.60	47		10	120

Surrogate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4492-10	A4EN8	BP022722.D	2,4-Dichlorophenol-d3	40	18.27	46		10	140
			4-Chloroaniline-d4	40	16.17	40		1	145
			Dimethylphthalate-d6	40	19.25	48		10	145
			Acenaphthylene-d8	40	19.21	48		15	120
			4-Nitrophenol-d4	40	13.53	34		10	150
			Fluorene-d10	40	19.84	50		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.82	27		10	130
			Anthracene-d10	40	20.58	51		10	150
			Pyrene-d10	40	22.62	57		10	130
			Benzo(a)pyrene-d12	40	21.30	53		10	140
P4492-12	A4ER0	BP022724.D	1,4-Dioxane-d8	8	2.72	34		15	120
			Pyridine-d5	40	13.47	34		20	120
			Phenol-d5	40	16.52	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	15.73	39		10	150
			2-Chlorophenol-d4	40	17.16	43		15	120
			4-Methylphenol-d8	40	16.90	42		10	140
			Nitrobenzene-d5	40	17.07	43		10	135
			2-Nitrophenol-d4	40	17.89	45		10	120
			2,4-Dichlorophenol-d3	40	17.33	43		10	140
			4-Chloroaniline-d4	40	16.29	41		1	145
			Dimethylphthalate-d6	40	18.31	46		10	145
			Acenaphthylene-d8	40	18.51	46		15	120
			4-Nitrophenol-d4	40	14.06	35		10	150
			Fluorene-d10	40	19.40	48		20	140
			4,6-Dinitro-2-methylphenol-d2	40	9.59	24		10	130
			Anthracene-d10	40	19.72	49		10	150
			Pyrene-d10	40	20.62	52		10	130
			Benzo(a)pyrene-d12	40	20.96	52		10	140
P4492-13	A4ET0	BP022721.D	Pyridine-d5	40	14.29	36		20	120
			1,4-Dioxane-d8	8	2.92	36		15	120
			Phenol-d5	40	17.47	44		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.98	42		10	150
			2-Chlorophenol-d4	40	18.31	46		15	120
			4-Methylphenol-d8	40	18.97	47		10	140
			Nitrobenzene-d5	40	18.38	46		10	135
			2-Nitrophenol-d4	40	19.12	48		10	120
			2,4-Dichlorophenol-d3	40	19.39	48		10	140
			4-Chloroaniline-d4	40	17.75	44		1	145
			Dimethylphthalate-d6	40	19.90	50		10	145
			Acenaphthylene-d8	40	19.66	49		15	120
			4-Nitrophenol-d4	40	13.91	35		10	150
			Fluorene-d10	40	20.66	52		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.75	27		10	130
			Anthracene-d10	40	21.12	53		10	150
			Pyrene-d10	40	22.76	57		10	130
			Benzo(a)pyrene-d12	40	21.62	54		10	140
P4492-14	A4EW6	BP022725.D	1,4-Dioxane-d8	8	1.49	19		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	7.36	18		10	130

Surrogate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4492-14	A4EW6	BP022725.D	Bis(2-Chloroethyl)ether-d8	40	8.03	20		10	150
			2-Chlorophenol-d4	40	8.28	21		15	120
			4-Methylphenol-d8	40	3.38	8	*	10	140
			Nitrobenzene-d5	40	8.12	20		10	135
			2-Nitrophenol-d4	40	8.83	22		10	120
			2,4-Dichlorophenol-d3	40	7.41	19		10	140
			4-Chloroaniline-d4	40	1.55	4		1	145
			Dimethylphthalate-d6	40	8.58	21		10	145
			Acenaphthylene-d8	40	8.45	21		15	120
			4-Nitrophenol-d4	40	4.85	12		10	150
			Fluorene-d10	40	8.91	22		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.35	8	*	10	130
			Anthracene-d10	40	8.57	21		10	150
			Pyrene-d10	40	9.30	23		10	130
			Benzo(a)pyrene-d12	40	7.03	18		10	140
P4492-16	A4EY9	BP022723.D	Pyridine-d5	40	11.68	29		20	120
			1,4-Dioxane-d8	8	2.44	31		15	120
			Phenol-d5	40	15.73	39		10	130
			Bis(2-Chloroethyl)ether-d8	40	15.63	39		10	150
			2-Chlorophenol-d4	40	16.97	42		15	120
			4-Methylphenol-d8	40	16.88	42		10	140
			Nitrobenzene-d5	40	16.25	41		10	135
			2-Nitrophenol-d4	40	17.57	44		10	120
			2,4-Dichlorophenol-d3	40	17.32	43		10	140
			4-Chloroaniline-d4	40	15.17	38		1	145
			Dimethylphthalate-d6	40	18.89	47		10	145
			Acenaphthylene-d8	40	18.58	46		15	120
			4-Nitrophenol-d4	40	13.52	34		10	150
			Fluorene-d10	40	19.57	49		20	140
			4,6-Dinitro-2-methylphenol-d2	40	9.79	24		10	130
			Anthracene-d10	40	19.77	49		10	150
PB164416BL	PB164416BL	BP022715.D	Pyrene-d10	40	20.40	51		10	130
			Benzo(a)pyrene-d12	40	20.61	52		10	140
			Pyridine-d5	40	24.94	62		20	120
			1,4-Dioxane-d8	8	5.22	65		15	120
			Phenol-d5	40	25.48	64		10	130
			Bis(2-Chloroethyl)ether-d8	40	24.90	62		10	150
			2-Chlorophenol-d4	40	26.25	66		15	120
			4-Methylphenol-d8	40	25.48	64		10	140
			Nitrobenzene-d5	40	26.12	65		10	135
			2-Nitrophenol-d4	40	27.13	68		10	120
			2,4-Dichlorophenol-d3	40	25.74	64		10	140
			4-Chloroaniline-d4	40	25.69	64		1	145
			Dimethylphthalate-d6	40	26.37	66		10	145
			Acenaphthylene-d8	40	26.05	65		15	120
			4-Nitrophenol-d4	40	20.93	52		10	150
			Fluorene-d10	40	26.50	66		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.81	45		10	130
			Anthracene-d10	40	26.70	67		10	150

Surrogate Summary

SW-846

SDG No.: BP102924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164416BL	PB164416BL	BP022715.D	Pyrene-d10	40	28.58	71		10	130
			Benzo(a)pyrene-d12	40	28.96	72		10	140
PB164416BS	PB164416BS	BP022726.D	1,4-Dioxane-d8	8	4.37	55		15	120
			Pyridine-d5	40	24.00	60		20	120
			Phenol-d5	40	26.90	67		10	130
			Bis(2-Chloroethyl)ether-d8	40	24.83	62		10	150
			2-Chlorophenol-d4	40	28.10	70		15	120
			4-Methylphenol-d8	40	27.08	68		10	140
			Nitrobenzene-d5	40	27.37	68		10	135
			2-Nitrophenol-d4	40	28.27	71		10	120
			2,4-Dichlorophenol-d3	40	29.33	73		10	140
			4-Chloroaniline-d4	40	25.16	63		1	145
			Dimethylphthalate-d6	40	25.63	64		10	145
			Acenaphthylene-d8	40	26.34	66		15	120
			4-Nitrophenol-d4	40	24.98	62		10	150
			Fluorene-d10	40	26.42	66		20	140
			4,6-Dinitro-2-methylphenol-d2	40	23.67	59		10	130
			Anthracene-d10	40	27.34	68		10	150
			Pyrene-d10	40	28.92	72		10	130
			Benzo(a)pyrene-d12	40	28.00	70		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP102924

Lab Code: CHEM

SAS No.: BP102924 SDG NO.: BP102924

Lab File ID: BP022713.D

DFTPP Injection Date: 10/29/2024

Instrument ID: BNA_P

DFTPP Injection Time: 16:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.5
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	33.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.9
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	35.4
365	Greater than 1% of mass 198	5.6
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	91.4
443	15.0 - 24.0% of mass 442	17.3 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020687	SSTDCCC020	BP022714.D	10/29/2024	17:28
SBLK416	PB164416BL	BP022715.D	10/29/2024	18:08
A4F29MS	P4492-04MS	BP022716.D	10/29/2024	18:48
A4F29MSD	P4492-05MSD	BP022717.D	10/29/2024	19:29
A4F30	P4492-06	BP022718.D	10/29/2024	20:09
A4EL4	P4492-08	BP022719.D	10/29/2024	20:49
A4EN0	P4492-09	BP022720.D	10/29/2024	21:29
A4ET0	P4492-13	BP022721.D	10/29/2024	22:10
A4EN8	P4492-10	BP022722.D	10/29/2024	22:50
A4EY9	P4492-16	BP022723.D	10/29/2024	23:30
A4ER0	P4492-12	BP022724.D	10/30/2024	00:11
A4EW6	P4492-14	BP022725.D	10/30/2024	00:51
SLCS416	PB164416BS	BP022726.D	10/30/2024	01:31
SSTD020688	SSTDCCC020EC	BP022727.D	10/30/2024	02:12