

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/14/2024 : 12:16

Lab File ID: BM048024.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020178 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.676	0.557	0.010	-17.6652	40.0
Benzaldehyde	1.028	0.924	0.010	-10.1214	40.0
Pyridine	1.908	1.463	0.010	-23.3364	40.0
Phenol	2.012	1.661	0.080	-17.4719	20.0
Bis(2-Chloroethyl)ether	1.603	1.339	0.100	-16.5172	20.0
2-Chlorophenol	1.458	1.380	0.200	-5.3522	20.0
2-Methylphenol	1.403	1.255	0.010	-10.5409	20.0
2,2-oxybis(1-Chloropropane)	3.018	1.951	0.010	-35.3554	40.0
Acetophenone	2.406	1.966	0.060	-18.2872	20.0
4-Methylphenol	1.577	1.347	0.010	-14.5709	20.0
N-Nitroso-di-n-propylamine	1.274	0.991	0.050	-22.2717	30.0
Hexachloroethane	0.655	0.582	0.100	-11.1939	20.0
Nitrobenzene	0.452	0.370	0.050	-18.231	25.0
Isophorone	0.809	0.689	0.050	-14.9132	25.0
2-Nitrophenol	0.175	0.184	0.050	5.1922	25.0
2,4-Dimethylphenol	0.374	0.338	0.050	-9.7365	25.0
Bis(2-Chloroethoxy)methane	0.495	0.422	0.050	-14.7649	20.0
2,4-Dichlorophenol	0.315	0.313	0.060	-0.5281	20.0
Naphthalene	1.150	1.076	0.200	-6.4753	20.0
4-Chloroaniline	0.464	0.409	0.010	-11.9644	40.0
Hexachlorobutadiene	0.208	0.203	0.040	-2.4015	30.0
Caprolactam	0.101	0.100	0.010	-0.8525	40.0
4-Chloro-3-methylphenol	0.326	0.316	0.040	-2.9266	25.0
1-Methylnaphthalene	0.744	0.723	0.100	-2.8414	20.0
2-Methylnaphthalene	0.731	0.692	0.100	-5.3698	20.0
Hexachlorocyclopentadiene	0.394	0.368	0.010	-6.4731	40.0
2,4,6-Trichlorophenol	0.377	0.392	0.090	4.1953	25.0
2,4,5-Trichlorophenol	0.412	0.411	0.100	-0.1176	25.0
1,1-Biphenyl	1.601	1.444	0.200	-9.8057	20.0
2-Chloronaphthalene	1.238	1.151	0.300	-7.0966	20.0
2-Nitroaniline	0.393	0.317	0.050	-19.3238	40.0
Dimethylphthalate	1.468	1.386	0.300	-5.6195	20.0
2,6-Dinitrotoluene	0.258	0.277	0.080	7.3085	30.0
Acenaphthylene	1.939	1.907	0.400	-1.647	20.0
3-Nitroaniline	0.312	0.296	0.010	-5.2697	40.0
Acenaphthene	1.371	1.231	0.200	-10.1865	20.0
2,4-Dinitrophenol	0.159	0.163	0.010	2.3971	40.0
4-Nitrophenol	0.242	0.237	0.010	-2.3278	40.0
Dibenzofuran	1.845	1.695	0.300	-8.1395	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/14/2024 : 12:16

Lab File ID: BM048024.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020178 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.387	0.407	0.070	4.949	30.0
Diethylphthalate	1.469	1.374	0.300	-6.4987	20.0
Fluorene	1.539	1.404	0.200	-8.8119	20.0
4-Chlorophenyl-phenylether	0.727	0.674	0.100	-7.2802	20.0
4-Nitroaniline	0.303	0.310	0.010	2.1996	40.0
4,6-Dinitro-2-methylphenol	0.130	0.120	0.010	-7.2516	40.0
N-Nitrosodiphenylamine	0.623	0.554	0.050	-11.1006	20.0
1,2,4,5-Tetrachlorobenzene	0.651	0.587	0.100	-9.8302	20.0
4-Bromophenyl-phenylether	0.206	0.196	0.070	-4.7106	20.0
Hexachlorobenzene	0.240	0.240	0.050	0.0567	25.0
Atrazine	0.207	0.192	0.010	-7.2762	25.0
Pentachlorophenol	0.153	0.170	0.010	11.1424	40.0
Phenanthrene	1.173	1.075	0.200	-8.3828	20.0
Pentachlorobenzene	0.323	0.280	0.050	-13.3395	20.0
Anthracene	1.196	1.109	0.200	-7.2553	20.0
1,2,3,4-Tetrachlorobenzene	0.331	0.282	0.050	-14.7161	20.0
Carbazole	1.084	1.011	0.050	-6.7856	40.0
Di-n-butylphthalate	1.207	1.134	0.500	-6.0858	25.0
Fluoranthene	1.337	1.300	0.400	-2.7528	25.0
Pyrene	1.488	1.388	0.400	-6.7447	25.0
Butylbenzylphthalate	0.526	0.542	0.100	2.9872	40.0
3,3-Dichlorobenzidine	0.423	0.429	0.010	1.5728	40.0
Benzo (a) anthracene	1.400	1.373	0.300	-1.9412	30.0
Chrysene	1.365	1.290	0.200	-5.484	30.0
Bis(2-ethylhexyl)phthalate	0.790	0.760	0.200	-3.7108	40.0
Di-n-octyl phthalate	1.290	1.137	0.010	-11.8646	40.0
Benzo (b) fluoranthene	1.247	1.187	0.200	-4.8019	25.0
Benzo (k) fluoranthene	1.275	1.172	0.200	-8.09	25.0
Benzo (a) pyrene	1.185	1.133	0.200	-4.355	20.0
Indeno (1,2,3-cd) pyrene	1.518	1.407	0.200	-7.2934	25.0
Dibenzo (a,h) anthracene	1.244	1.179	0.200	-5.2174	30.0
Benzo (g,h,i) perylene	1.189	1.152	0.200	-3.1634	30.0
2,3,4,6-Tetrachlorophenol	0.325	0.358	0.040	10.14	20.0
1,4-Dioxane-d8	0.619	0.499	0.010	-19.3417	25.0
Pyridine-d5	1.812	1.418	0.010	-21.7326	40.0
Phenol-d5	1.891	1.635	0.010	-13.5672	25.0
Bis- (2-Chloroethyl) ether-d8	1.342	0.969	0.050	-27.7617	25.0
2-Chlorophenol-d4	1.376	1.380	0.200	0.3233	20.0
4-Methylphenol-d8	1.406	1.273	0.010	-9.4528	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/14/2024 : 12:16

Lab File ID: BM048024.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020178 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.160	0.050	0.6845	20.0
2-Nitrophenol-d4	0.153	0.173	0.050	13.6128	30.0
2,4-Dichlorophenol-d3	0.305	0.318	0.060	4.397	20.0
4-Chloroaniline-d4	0.471	0.423	0.010	-10.1656	40.0
Dimethylphthalate-d6	1.450	1.376	0.300	-5.1108	20.0
Acenaphthylene-d8	1.719	1.637	0.400	-4.7663	20.0
4-Nitrophenol-d4	0.289	0.277	0.010	-3.907	40.0
Fluorene-d10	1.256	1.201	0.100	-4.4133	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.110	0.010	-6.0431	40.0
Anthracene-d10	0.983	0.921	0.300	-6.3948	20.0
Pyrene-d10	1.135	1.113	0.300	-1.9869	25.0
Benzo(a)pyrene-d12	1.038	0.980	0.010	-5.5223	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/14/2024 : 17:34

Lab File ID: BM048032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020179 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.676	0.571	0.010	-15.4795	40.0
Benzaldehyde	1.028	0.957	0.010	-6.9439	40.0
Pyridine	1.908	1.505	0.010	-21.1241	40.0
Phenol	2.012	1.722	0.080	-14.4398	20.0
Bis(2-Chloroethyl)ether	1.603	1.337	0.100	-16.644	20.0
2-Chlorophenol	1.458	1.440	0.200	-1.2311	20.0
2-Methylphenol	1.403	1.313	0.010	-6.4219	20.0
2,2-oxybis(1-Chloropropane)	3.018	1.924	0.010	-36.2579	40.0
Acetophenone	2.406	2.005	0.060	-16.6603	20.0
4-Methylphenol	1.577	1.408	0.010	-10.7259	20.0
N-Nitroso-di-n-propylamine	1.274	0.983	0.050	-22.871	30.0
Hexachloroethane	0.655	0.569	0.100	-13.1274	20.0
Nitrobenzene	0.452	0.367	0.050	-18.8819	25.0
Isophorone	0.809	0.696	0.050	-14.0373	25.0
2-Nitrophenol	0.175	0.186	0.050	6.579	25.0
2,4-Dimethylphenol	0.374	0.346	0.050	-7.5275	25.0
Bis(2-Chloroethoxy)methane	0.495	0.421	0.050	-14.989	20.0
2,4-Dichlorophenol	0.315	0.322	0.060	2.4006	20.0
Naphthalene	1.150	1.102	0.200	-4.213	20.0
4-Chloroaniline	0.464	0.420	0.010	-9.498	40.0
Hexachlorobutadiene	0.208	0.207	0.040	-0.4303	30.0
Caprolactam	0.101	0.103	0.010	2.0864	40.0
4-Chloro-3-methylphenol	0.326	0.327	0.040	0.2357	25.0
1-Methylnaphthalene	0.744	0.740	0.100	-0.4866	20.0
2-Methylnaphthalene	0.731	0.706	0.100	-3.4547	20.0
Hexachlorocyclopentadiene	0.394	0.244	0.010	-37.9429	40.0
2,4,6-Trichlorophenol	0.377	0.397	0.090	5.3433	25.0
2,4,5-Trichlorophenol	0.412	0.442	0.100	7.1881	25.0
1,1-Biphenyl	1.601	1.458	0.200	-8.9713	20.0
2-Chloronaphthalene	1.238	1.183	0.300	-4.4391	20.0
2-Nitroaniline	0.393	0.318	0.050	-19.025	40.0
Dimethylphthalate	1.468	1.380	0.300	-6.0536	20.0
2,6-Dinitrotoluene	0.258	0.276	0.080	7.1425	30.0
Acenaphthylene	1.939	1.938	0.400	-0.0696	20.0
3-Nitroaniline	0.312	0.316	0.010	1.2456	40.0
Acenaphthene	1.371	1.271	0.200	-7.2778	20.0
2,4-Dinitrophenol	0.159	0.117	0.010	-26.8075	40.0
4-Nitrophenol	0.242	0.199	0.010	-17.696	40.0
Dibenzofuran	1.845	1.744	0.300	-5.4586	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/14/2024 : 17:34

Lab File ID: BM048032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020179 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.387	0.414	0.070	6.9097	30.0
Diethylphthalate	1.469	1.381	0.300	-6.0105	20.0
Fluorene	1.539	1.425	0.200	-7.4505	20.0
4-Chlorophenyl-phenylether	0.727	0.685	0.100	-5.7798	20.0
4-Nitroaniline	0.303	0.348	0.010	14.9382	40.0
4,6-Dinitro-2-methylphenol	0.130	0.099	0.010	-23.2786	40.0
N-Nitrosodiphenylamine	0.623	0.561	0.050	-10.035	20.0
1,2,4,5-Tetrachlorobenzene	0.651	0.595	0.100	-8.5549	20.0
4-Bromophenyl-phenylether	0.206	0.201	0.070	-2.3827	20.0
Hexachlorobenzene	0.240	0.245	0.050	2.0633	25.0
Atrazine	0.207	0.172	0.010	-16.9206	25.0
Pentachlorophenol	0.153	0.161	0.010	5.5407	40.0
Phenanthrene	1.173	1.095	0.200	-6.6273	20.0
Pentachlorobenzene	0.323	0.281	0.050	-13.1833	20.0
Anthracene	1.196	1.131	0.200	-5.454	20.0
1,2,3,4-Tetrachlorobenzene	0.331	0.278	0.050	-16.1405	20.0
Carbazole	1.084	1.049	0.050	-3.2827	40.0
Di-n-butylphthalate	1.207	1.155	0.500	-4.3219	25.0
Fluoranthene	1.337	1.327	0.400	-0.7048	25.0
Pyrene	1.488	1.417	0.400	-4.789	25.0
Butylbenzylphthalate	0.526	0.585	0.100	11.2362	40.0
3,3-Dichlorobenzidine	0.423	0.433	0.010	2.3553	40.0
Benzo (a) anthracene	1.400	1.421	0.300	1.5012	30.0
Chrysene	1.365	1.319	0.200	-3.3896	30.0
Bis (2-ethylhexyl) phthalate	0.790	0.816	0.200	3.3571	40.0
Di-n-octyl phthalate	1.290	1.236	0.010	-4.1888	40.0
Benzo (b) fluoranthene	1.247	1.178	0.200	-5.5258	25.0
Benzo (k) fluoranthene	1.275	1.222	0.200	-4.1732	25.0
Benzo (a) pyrene	1.185	1.165	0.200	-1.6626	20.0
Indeno (1,2,3-cd) pyrene	1.518	1.472	0.200	-3.0122	25.0
Dibenzo (a,h) anthracene	1.244	1.227	0.200	-1.3923	30.0
Benzo (g,h,i) perylene	1.189	1.203	0.200	1.1877	30.0
2,3,4,6-Tetrachlorophenol	0.325	0.378	0.040	16.3312	20.0
1,4-Dioxane-d8	0.619	0.518	0.010	-16.3402	25.0
Pyridine-d5	1.812	1.448	0.010	-20.0758	40.0
Phenol-d5	1.891	1.689	0.010	-10.6842	25.0
Bis- (2-Chloroethyl) ether-d8	1.342	0.962	0.050	-28.3131	25.0
2-Chlorophenol-d4	1.376	1.438	0.200	4.486	20.0
4-Methylphenol-d8	1.406	1.321	0.010	-6.087	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/14/2024 : 17:34

Lab File ID: BM048032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020179 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.164	0.050	2.9468	20.0
2-Nitrophenol-d4	0.153	0.180	0.050	17.7627	30.0
2,4-Dichlorophenol-d3	0.305	0.330	0.060	8.1074	20.0
4-Chloroaniline-d4	0.471	0.438	0.010	-7.0278	40.0
Dimethylphthalate-d6	1.450	1.373	0.300	-5.315	20.0
Acenaphthylene-d8	1.719	1.686	0.400	-1.9035	20.0
4-Nitrophenol-d4	0.289	0.274	0.010	-5.1751	40.0
Fluorene-d10	1.256	1.237	0.100	-1.5168	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.092	0.010	-21.2489	40.0
Anthracene-d10	0.983	0.944	0.300	-4.0156	20.0
Pyrene-d10	1.135	1.128	0.300	-0.633	25.0
Benzo(a)pyrene-d12	1.038	1.006	0.010	-3.0641	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.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/15/2024 : 04:07

Lab File ID: BM048047.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020180 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.676	0.528	0.010	-21.9152	40.0
Benzaldehyde	1.028	0.928	0.010	-9.7558	40.0
Pyridine	1.908	1.449	0.010	-24.0437	40.0
Phenol	2.012	1.673	0.080	-16.8399	20.0
Bis(2-Chloroethyl)ether	1.603	1.321	0.100	-17.601	20.0
2-Chlorophenol	1.458	1.394	0.200	-4.3474	20.0
2-Methylphenol	1.403	1.284	0.010	-8.4693	20.0
2,2-oxybis(1-Chloropropane)	3.018	1.903	0.010	-36.9565	40.0
Acetophenone	2.406	2.025	0.060	-15.8359	20.0
4-Methylphenol	1.577	1.370	0.010	-13.1427	20.0
N-Nitroso-di-n-propylamine	1.274	0.969	0.050	-23.9371	30.0
Hexachloroethane	0.655	0.582	0.100	-11.1906	20.0
Nitrobenzene	0.452	0.363	0.050	-19.6982	25.0
Isophorone	0.809	0.684	0.050	-15.4391	25.0
2-Nitrophenol	0.175	0.189	0.050	8.0358	25.0
2,4-Dimethylphenol	0.374	0.336	0.050	-10.1773	25.0
Bis(2-Chloroethoxy)methane	0.495	0.414	0.050	-16.3753	20.0
2,4-Dichlorophenol	0.315	0.316	0.060	0.2448	20.0
Naphthalene	1.150	1.078	0.200	-6.273	20.0
4-Chloroaniline	0.464	0.412	0.010	-11.1329	40.0
Hexachlorobutadiene	0.208	0.201	0.040	-3.2303	30.0
Caprolactam	0.101	0.104	0.010	3.385	40.0
4-Chloro-3-methylphenol	0.326	0.320	0.040	-1.7029	25.0
1-Methylnaphthalene	0.744	0.723	0.100	-2.8276	20.0
2-Methylnaphthalene	0.731	0.699	0.100	-4.3998	20.0
Hexachlorocyclopentadiene	0.394	0.306	0.010	-22.1883	40.0
2,4,6-Trichlorophenol	0.377	0.402	0.090	6.7704	25.0
2,4,5-Trichlorophenol	0.412	0.427	0.100	3.5523	25.0
1,1-Biphenyl	1.601	1.444	0.200	-9.804	20.0
2-Chloronaphthalene	1.238	1.166	0.300	-5.8681	20.0
2-Nitroaniline	0.393	0.325	0.050	-17.2995	40.0
Dimethylphthalate	1.468	1.376	0.300	-6.2775	20.0
2,6-Dinitrotoluene	0.258	0.288	0.080	11.4864	30.0
Acenaphthylene	1.939	1.912	0.400	-1.3813	20.0
3-Nitroaniline	0.312	0.331	0.010	5.9288	40.0
Acenaphthene	1.371	1.238	0.200	-9.6954	20.0
2,4-Dinitrophenol	0.159	0.156	0.010	-1.8358	40.0
4-Nitrophenol	0.242	0.249	0.010	2.6916	40.0
Dibenzofuran	1.845	1.706	0.300	-7.5419	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424

Instrument ID: BNA_M Calibration Date/Time: 10/15/2024 : 04:07

Lab File ID: BM048047.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020180 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.387	0.431	0.070	11.1598	30.0
Diethylphthalate	1.469	1.381	0.300	-5.9756	20.0
Fluorene	1.539	1.388	0.200	-9.8414	20.0
4-Chlorophenyl-phenylether	0.727	0.670	0.100	-7.8234	20.0
4-Nitroaniline	0.303	0.360	0.010	18.7948	40.0
4,6-Dinitro-2-methylphenol	0.130	0.111	0.010	-14.2197	40.0
N-Nitrosodiphenylamine	0.623	0.546	0.050	-12.3162	20.0
1,2,4,5-Tetrachlorobenzene	0.651	0.593	0.100	-8.8621	20.0
4-Bromophenyl-phenylether	0.206	0.197	0.070	-4.512	20.0
Hexachlorobenzene	0.240	0.239	0.050	-0.462	25.0
Atrazine	0.207	0.196	0.010	-5.4949	25.0
Pentachlorophenol	0.153	0.174	0.010	14.363	40.0
Phenanthrene	1.173	1.067	0.200	-9.0185	20.0
Pentachlorobenzene	0.323	0.276	0.050	-14.7286	20.0
Anthracene	1.196	1.101	0.200	-7.9389	20.0
1,2,3,4-Tetrachlorobenzene	0.331	0.277	0.050	-16.2435	20.0
Carbazole	1.084	1.015	0.050	-6.3643	40.0
Di-n-butylphthalate	1.207	1.163	0.500	-3.6222	25.0
Fluoranthene	1.337	1.328	0.400	-0.6944	25.0
Pyrene	1.488	1.398	0.400	-6.0238	25.0
Butylbenzylphthalate	0.526	0.589	0.100	11.88	40.0
3,3-Dichlorobenzidine	0.423	0.424	0.010	0.3771	40.0
Benzo (a) anthracene	1.400	1.403	0.300	0.1874	30.0
Chrysene	1.365	1.290	0.200	-5.4937	30.0
Bis (2-ethylhexyl) phthalate	0.790	0.815	0.200	3.2238	40.0
Di-n-octyl phthalate	1.290	1.238	0.010	-4.032	40.0
Benzo (b) fluoranthene	1.247	1.205	0.200	-3.4054	25.0
Benzo (k) fluoranthene	1.275	1.168	0.200	-8.4186	25.0
Benzo (a) pyrene	1.185	1.141	0.200	-3.7111	20.0
Indeno (1,2,3-cd) pyrene	1.518	1.432	0.200	-5.658	25.0
Dibenzo (a,h) anthracene	1.244	1.195	0.200	-3.9071	30.0
Benzo (g,h,i) perylene	1.189	1.161	0.200	-2.4007	30.0
2,3,4,6-Tetrachlorophenol	0.325	0.365	0.040	12.4026	20.0
1,4-Dioxane-d8	0.619	0.467	0.010	-24.478	25.0
Pyridine-d5	1.812	1.385	0.010	-23.5504	40.0
Phenol-d5	1.891	1.648	0.010	-12.8475	25.0
Bis- (2-Chloroethyl) ether-d8	1.342	0.950	0.050	-29.2289	25.0
2-Chlorophenol-d4	1.376	1.417	0.200	2.9683	20.0
4-Methylphenol-d8	1.406	1.301	0.010	-7.5059	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG No.: BM101424
 Instrument ID: BNA_M Calibration Date/Time: 10/15/2024 : 04:07
 Lab File ID: BM048047.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD020180 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.163	0.050	2.2225	20.0
2-Nitrophenol-d4	0.153	0.179	0.050	17.1564	30.0
2,4-Dichlorophenol-d3	0.305	0.323	0.060	6.0547	20.0
4-Chloroaniline-d4	0.471	0.443	0.010	-6.066	40.0
Dimethylphthalate-d6	1.450	1.369	0.300	-5.5843	20.0
Acenaphthylene-d8	1.719	1.667	0.400	-3.0191	20.0
4-Nitrophenol-d4	0.289	0.295	0.010	2.139	40.0
Fluorene-d10	1.256	1.217	0.100	-3.1074	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.104	0.010	-10.9988	40.0
Anthracene-d10	0.983	0.932	0.300	-5.1796	20.0
Pyrene-d10	1.135	1.136	0.300	0.0822	25.0
Benzo(a)pyrene-d12	1.038	0.987	0.010	-4.8454	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048025.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	75	U	75	82.5	330	ug/Kg
110-86-1	Pyridine	43	U	43	170	330	ug/Kg
108-95-2	Phenol	35	U	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	30	U	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27	U	27	82.5	330	ug/Kg
98-86-2	Acetophenone	38	U	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	32	U	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	29	U	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	23	U	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	36	U	36	42.5	170	ug/Kg
78-59-1	Isophorone	34	U	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	32	U	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	28	U	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	38	U	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	39	U	39	42.5	170	ug/Kg
91-20-3	Naphthalene	34	U	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	34	U	34	42.5	170	ug/Kg
105-60-2	Caprolactam	120	U	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28	U	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	79	U	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43	U	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048025.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	48	U	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	45	U	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	22	U	22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	42	U	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	21	U	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	43	U	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	20	U	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	41	U	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	41	U	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	46	U	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	60	U	60	42.5	170	ug/Kg
86-73-7	Fluorene	45	U	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47	U	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	42	U	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	42	U	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45	U	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	50	U	50	42.5	170	ug/Kg
1912-24-9	Atrazine	39	U	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	87	U	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	44	U	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	42.5	170	ug/Kg
120-12-7	Anthracene	43	U	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	33	U	33	42.5	170	ug/Kg
86-74-8	Carbazole	45	U	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	42	U	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	44	U	44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048025.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.82		15-120		48	SPK: -8
7291-22-7	Pyridine-d5	17.44		20-120		44	SPK: -40
4165-62-2	Phenol-d5	18.637		10-130		47	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.022		10-150		40	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.836		15-120		55	SPK: -40
190780-66-6	4-Methylphenol-d8	19.077		10-140		48	SPK: -40
4165-60-0	Nitrobenzene-d5	21.935		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.238		10-120		63	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.386		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.348		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.977		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	22.218		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.23		10-150		38	SPK: -40
81103-79-9	Fluorene-d10	22.765		20-140		57	SPK: -40

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048025.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.023		10-130		45	SPK: -40
1719-06-8	Anthracene-d10	22.459		10-150		56	SPK: -40
1718-52-1	Pyrene-d10	23.603		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.788		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	215768	7.781				
1146-65-2	Naphthalene-d8	827329	10.575				
15067-26-2	Acenaphthene-d10	501623	14.416				
1517-22-2	Phenanthrene-d10	1039165	17.157				
1719-03-5	Chrysene-d12	1005734	21.386				
1520-96-3	Perylene-d12	1208453	24.374				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG1	SDG No.:	BM101424
Lab Sample ID:	P4239-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.8
Sample Wt/Vol:	30	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
BM048026.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.8	99	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	490	ug/Kg
110-86-1	Pyridine	64	U	64	250	490	ug/Kg
108-95-2	Phenol	52	U	52	120	490	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	51	U	51	120	490	ug/Kg
95-57-8	2-Chlorophenol	42	U	42	63.2	250	ug/Kg
95-48-7	2-Methylphenol	45	U	45	120	490	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	120	490	ug/Kg
98-86-2	Acetophenone	57	U	57	120	490	ug/Kg
106-44-5	4-Methylphenol	48	U	48	120	490	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	43	U	43	63.2	250	ug/Kg
67-72-1	Hexachloroethane	34	U	34	63.2	250	ug/Kg
98-95-3	Nitrobenzene	54	U	54	63.2	250	ug/Kg
78-59-1	Isophorone	51	U	51	63.2	250	ug/Kg
88-75-5	2-Nitrophenol	48	U	48	63.2	250	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	42	63.2	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	57	U	57	63.2	250	ug/Kg
120-83-2	2,4-Dichlorophenol	58	U	58	63.2	250	ug/Kg
91-20-3	Naphthalene	51	U	51	63.2	250	ug/Kg
106-47-8	4-Chloroaniline	64	U	64	63.2	490	ug/Kg
87-68-3	Hexachlorobutadiene	51	U	51	63.2	250	ug/Kg
105-60-2	Caprolactam	180	U	180	120	490	ug/Kg
59-50-7	4-Chloro-3-methylphenol	42	U	42	63.2	250	ug/Kg
90-12-0	1-Methylnaphthalene	61	U	61	63.2	250	ug/Kg
91-57-6	2-Methylnaphthalene	55	U	55	63.2	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	120	490	ug/Kg
88-06-2	2,4,6-Trichlorophenol	64	U	64	63.2	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63	U	63	63.2	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG1	SDG No.:	BM101424
Lab Sample ID:	P4239-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.8
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
BM048026.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	71	U	71	63.2	250	ug/Kg
91-58-7	2-Chloronaphthalene	67	U	67	63.2	250	ug/Kg
88-74-4	2-Nitroaniline	33	U	33	63.2	250	ug/Kg
131-11-3	Dimethylphthalate	63	U	63	63.2	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	31	U	31	63.2	250	ug/Kg
208-96-8	Acenaphthylene	64	U	64	63.2	250	ug/Kg
99-09-2	3-Nitroaniline	30	U	30	120	490	ug/Kg
83-32-9	Acenaphthene	61	U	61	63.2	250	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	120	490	ug/Kg
100-02-7	4-Nitrophenol	61	U	61	120	490	ug/Kg
132-64-9	Dibenzofuran	68	U	68	63.2	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	40	U	40	63.2	250	ug/Kg
84-66-2	Diethylphthalate	89	U	89	63.2	250	ug/Kg
86-73-7	Fluorene	67	U	67	63.2	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	70	U	70	63.2	250	ug/Kg
100-01-6	4-Nitroaniline	63	U	63	120	490	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	24	120	490	ug/Kg
86-30-6	N-Nitrosodiphenylamine	63	U	63	63.2	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	76	U	76	63.2	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67	U	67	63.2	250	ug/Kg
118-74-1	Hexachlorobenzene	74	U	74	63.2	250	ug/Kg
1912-24-9	Atrazine	58	U	58	120	490	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	490	ug/Kg
85-01-8	Phenanthrene	440		65	63.2	250	ug/Kg
608-93-5	Pentachlorobenzene	76	U	76	63.2	250	ug/Kg
120-12-7	Anthracene	84	J	64	63.2	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	49	U	49	63.2	250	ug/Kg
86-74-8	Carbazole	67	U	67	120	490	ug/Kg
84-74-2	Di-n-butylphthalate	63	U	63	63.2	250	ug/Kg
206-44-0	Fluoranthene	1100		65	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG1	SDG No.:	BM101424
Lab Sample ID:	P4239-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.8
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
BM048026.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	760		65	63.2	250	ug/Kg
85-68-7	Butylbenzylphthalate	48	U	48	63.2	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	34	U	34	120	490	ug/Kg
56-55-3	Benzo(a)anthracene	470		58	63.2	250	ug/Kg
218-01-9	Chrysene	590		67	63.2	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	470		65	63.2	250	ug/Kg
117-84-0	Di-n-octyl phthalate	51	U	51	120	490	ug/Kg
205-99-2	Benzo(b)fluoranthene	810		63	63.2	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	240	J	67	63.2	250	ug/Kg
50-32-8	Benzo(a)pyrene	310		63	63.2	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260		55	63.2	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	J	55	63.2	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52	U	52	63.2	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55	U	55	63.2	250	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.288		15-120		16	SPK: -8
7291-22-7	Pyridine-d5	0.607	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	7.543		10-130		19	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	6.681		10-150		17	SPK: -40
93951-73-6	2-Chlorophenol-d4	9.09		15-120		23	SPK: -40
190780-66-6	4-Methylphenol-d8	7.135		10-140		18	SPK: -40
4165-60-0	Nitrobenzene-d5	8.936		10-135		22	SPK: -40
93951-78-1	2-Nitrophenol-d4	9.89		10-120		25	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	8.951		10-140		22	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.906		1-145		5	SPK: -40
85448-30-2	Dimethylphthalate-d6	9.01		10-145		23	SPK: -40
93951-97-4	Acenaphthylene-d8	8.86		15-120		22	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.339		10-150		13	SPK: -40
81103-79-9	Fluorene-d10	9.462		20-140		24	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG1	SDG No.:	BM101424
Lab Sample ID:	P4239-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.8
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
BM048026.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	6.929		10-130		17	SPK: -40
1719-06-8	Anthracene-d10	9.089		10-150		23	SPK: -40
1718-52-1	Pyrene-d10	9.382		10-130		23	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	6.961		10-140		17	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	369633	7.781				
1146-65-2	Naphthalene-d8	1481927	10.575				
15067-26-2	Acenaphthene-d10	903193	14.421				
1517-22-2	Phenanthrene-d10	1831141	17.156				
1719-03-5	Chrysene-d12	1713376	21.386				
1520-96-3	Perylene-d12	2049511	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	140	J			15.774	
000057-10-3	n-Hexadecanoic acid	350	J			18.056	
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J			18.227	
033543-31-6	Fluoranthene, 2-methyl-	120	J			20.068	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	200	J			21.062	
	(DEL) Alkane: Straight-Chain22.144	120	J			22.144	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG2	SDG No.:	BM101424
Lab Sample ID:	P4239-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	33.2
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
BM048027.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.8	99	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	490	ug/Kg
110-86-1	Pyridine	64	U	64	250	490	ug/Kg
108-95-2	Phenol	52	U	52	120	490	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	51	U	51	120	490	ug/Kg
95-57-8	2-Chlorophenol	42	U	42	63.4	250	ug/Kg
95-48-7	2-Methylphenol	45	U	45	120	490	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	120	490	ug/Kg
98-86-2	Acetophenone	57	U	57	120	490	ug/Kg
106-44-5	4-Methylphenol	48	U	48	120	490	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	43	U	43	63.4	250	ug/Kg
67-72-1	Hexachloroethane	34	U	34	63.4	250	ug/Kg
98-95-3	Nitrobenzene	54	U	54	63.4	250	ug/Kg
78-59-1	Isophorone	51	U	51	63.4	250	ug/Kg
88-75-5	2-Nitrophenol	48	U	48	63.4	250	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	42	63.4	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	57	U	57	63.4	250	ug/Kg
120-83-2	2,4-Dichlorophenol	58	U	58	63.4	250	ug/Kg
91-20-3	Naphthalene	51	U	51	63.4	250	ug/Kg
106-47-8	4-Chloroaniline	64	U	64	63.4	490	ug/Kg
87-68-3	Hexachlorobutadiene	51	U	51	63.4	250	ug/Kg
105-60-2	Caprolactam	180	U	180	120	490	ug/Kg
59-50-7	4-Chloro-3-methylphenol	42	U	42	63.4	250	ug/Kg
90-12-0	1-Methylnaphthalene	61	U	61	63.4	250	ug/Kg
91-57-6	2-Methylnaphthalene	55	U	55	63.4	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	120	490	ug/Kg
88-06-2	2,4,6-Trichlorophenol	64	U	64	63.4	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63	U	63	63.4	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG2	SDG No.:	BM101424
Lab Sample ID:	P4239-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	33.2
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
BM048027.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	72	U	72	63.4	250	ug/Kg
91-58-7	2-Chloronaphthalene	67	U	67	63.4	250	ug/Kg
88-74-4	2-Nitroaniline	33	U	33	63.4	250	ug/Kg
131-11-3	Dimethylphthalate	63	U	63	63.4	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	31	U	31	63.4	250	ug/Kg
208-96-8	Acenaphthylene	64	U	64	63.4	250	ug/Kg
99-09-2	3-Nitroaniline	30	U	30	120	490	ug/Kg
83-32-9	Acenaphthene	61	U	61	63.4	250	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	120	490	ug/Kg
100-02-7	4-Nitrophenol	61	U	61	120	490	ug/Kg
132-64-9	Dibenzofuran	69	U	69	63.4	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	40	U	40	63.4	250	ug/Kg
84-66-2	Diethylphthalate	90	U	90	63.4	250	ug/Kg
86-73-7	Fluorene	67	U	67	63.4	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	70	U	70	63.4	250	ug/Kg
100-01-6	4-Nitroaniline	63	U	63	120	490	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	24	120	490	ug/Kg
86-30-6	N-Nitrosodiphenylamine	63	U	63	63.4	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	76	U	76	63.4	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67	U	67	63.4	250	ug/Kg
118-74-1	Hexachlorobenzene	75	U	75	63.4	250	ug/Kg
1912-24-9	Atrazine	58	U	58	120	490	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	490	ug/Kg
85-01-8	Phenanthrene	530		66	63.4	250	ug/Kg
608-93-5	Pentachlorobenzene	76	U	76	63.4	250	ug/Kg
120-12-7	Anthracene	100	J	64	63.4	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	49	U	49	63.4	250	ug/Kg
86-74-8	Carbazole	68	J	67	120	490	ug/Kg
84-74-2	Di-n-butylphthalate	63	U	63	63.4	250	ug/Kg
206-44-0	Fluoranthene	1200		66	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG2	SDG No.:	BM101424
Lab Sample ID:	P4239-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	33.2
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
BM048027.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	820		66	63.4	250	ug/Kg
85-68-7	Butylbenzylphthalate	48	U	48	63.4	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	34	U	34	120	490	ug/Kg
56-55-3	Benzo(a)anthracene	510		58	63.4	250	ug/Kg
218-01-9	Chrysene	630		67	63.4	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290		66	63.4	250	ug/Kg
117-84-0	Di-n-octyl phthalate	51	U	51	120	490	ug/Kg
205-99-2	Benzo(b)fluoranthene	850		63	63.4	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	270		67	63.4	250	ug/Kg
50-32-8	Benzo(a)pyrene	340		63	63.4	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270		55	63.4	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	J	55	63.4	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52	U	52	63.4	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55	U	55	63.4	250	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.201		15-120		15	SPK: -8
7291-22-7	Pyridine-d5	0.546	*	20-120		1	SPK: -40
4165-62-2	Phenol-d5	6.564		10-130		16	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.91		10-150		15	SPK: -40
93951-73-6	2-Chlorophenol-d4	8.2		15-120		20	SPK: -40
190780-66-6	4-Methylphenol-d8	4.326		10-140		11	SPK: -40
4165-60-0	Nitrobenzene-d5	8.267		10-135		21	SPK: -40
93951-78-1	2-Nitrophenol-d4	9.336		10-120		23	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	8.042		10-140		20	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.356		1-145		3	SPK: -40
85448-30-2	Dimethylphthalate-d6	8.545		10-145		21	SPK: -40
93951-97-4	Acenaphthylene-d8	8.363		15-120		21	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.68		10-150		12	SPK: -40
81103-79-9	Fluorene-d10	8.906		20-140		22	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG2	SDG No.:	BM101424
Lab Sample ID:	P4239-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	33.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048027.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	5.375		10-130		13	SPK: -40
1719-06-8	Anthracene-d10	8.475		10-150		21	SPK: -40
1718-52-1	Pyrene-d10	9.109		10-130		23	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	6.427		10-140		16	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	323822	7.786				
1146-65-2	Naphthalene-d8	1255474	10.575				
15067-26-2	Acenaphthene-d10	761835	14.421				
1517-22-2	Phenanthrene-d10	1543223	17.162				
1719-03-5	Chrysene-d12	1384690	21.386				
1520-96-3	Perylene-d12	1653220	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	280	J			3.757	
000119-61-9	Benzophenone	130	J			15.774	
000057-10-3	n-Hexadecanoic acid	290	J			18.051	
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J			18.227	
000084-65-1	9,10-Anthracenedione	100	J			18.574	
	(DEL) Alkane: Cyclic21.062	190	J			21.062	
	(DEL) Alkane: Straight-Chain22.144	110	J			22.144	
E966796	Total Alkanes	300				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP3	SDG No.:	BM101424
Lab Sample ID:	P4239-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.3
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
BM048028.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.7	98	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	490	ug/Kg
110-86-1	Pyridine	63	U	63	240	490	ug/Kg
108-95-2	Phenol	52	U	52	120	490	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	50	U	50	120	490	ug/Kg
95-57-8	2-Chlorophenol	41	U	41	62.6	250	ug/Kg
95-48-7	2-Methylphenol	44	U	44	120	490	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	120	490	ug/Kg
98-86-2	Acetophenone	56	U	56	120	490	ug/Kg
106-44-5	4-Methylphenol	47	U	47	120	490	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	43	U	43	62.6	250	ug/Kg
67-72-1	Hexachloroethane	34	U	34	62.6	250	ug/Kg
98-95-3	Nitrobenzene	53	U	53	62.6	250	ug/Kg
78-59-1	Isophorone	50	U	50	62.6	250	ug/Kg
88-75-5	2-Nitrophenol	47	U	47	62.6	250	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	62.6	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	56	U	56	62.6	250	ug/Kg
120-83-2	2,4-Dichlorophenol	57	U	57	62.6	250	ug/Kg
91-20-3	Naphthalene	50	U	50	62.6	250	ug/Kg
106-47-8	4-Chloroaniline	63	U	63	62.6	490	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	62.6	250	ug/Kg
105-60-2	Caprolactam	180	U	180	120	490	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	62.6	250	ug/Kg
90-12-0	1-Methylnaphthalene	60	U	60	62.6	250	ug/Kg
91-57-6	2-Methylnaphthalene	54	U	54	62.6	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	120	490	ug/Kg
88-06-2	2,4,6-Trichlorophenol	63	U	63	62.6	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62	U	62	62.6	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP3	SDG No.:	BM101424
Lab Sample ID:	P4239-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.3
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
BM048028.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	71	U	71	62.6	250	ug/Kg
91-58-7	2-Chloronaphthalene	66	U	66	62.6	250	ug/Kg
88-74-4	2-Nitroaniline	32	U	32	62.6	250	ug/Kg
131-11-3	Dimethylphthalate	62	U	62	62.6	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	31	U	31	62.6	250	ug/Kg
208-96-8	Acenaphthylene	64	J	63	62.6	250	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	120	490	ug/Kg
83-32-9	Acenaphthene	60	U	60	62.6	250	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	120	490	ug/Kg
100-02-7	4-Nitrophenol	60	U	60	120	490	ug/Kg
132-64-9	Dibenzofuran	68	U	68	62.6	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	40	U	40	62.6	250	ug/Kg
84-66-2	Diethylphthalate	88	U	88	62.6	250	ug/Kg
86-73-7	Fluorene	66	U	66	62.6	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	69	U	69	62.6	250	ug/Kg
100-01-6	4-Nitroaniline	62	U	62	120	490	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	24	120	490	ug/Kg
86-30-6	N-Nitrosodiphenylamine	62	U	62	62.6	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	75	U	75	62.6	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66	U	66	62.6	250	ug/Kg
118-74-1	Hexachlorobenzene	74	U	74	62.6	250	ug/Kg
1912-24-9	Atrazine	57	U	57	120	490	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	490	ug/Kg
85-01-8	Phenanthrene	620		65	62.6	250	ug/Kg
608-93-5	Pentachlorobenzene	75	U	75	62.6	250	ug/Kg
120-12-7	Anthracene	130	J	63	62.6	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	49	U	49	62.6	250	ug/Kg
86-74-8	Carbazole	80	J	66	120	490	ug/Kg
84-74-2	Di-n-butylphthalate	62	U	62	62.6	250	ug/Kg
206-44-0	Fluoranthene	1600		65	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP3	SDG No.:	BM101424
Lab Sample ID:	P4239-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048028.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1000		65	62.6	250	ug/Kg
85-68-7	Butylbenzylphthalate	55	J	47	62.6	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	34	U	34	120	490	ug/Kg
56-55-3	Benzo(a)anthracene	630		57	62.6	250	ug/Kg
218-01-9	Chrysene	800		66	62.6	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	600		65	62.6	250	ug/Kg
117-84-0	Di-n-octyl phthalate	50	U	50	120	490	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		62	62.6	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	370		66	62.6	250	ug/Kg
50-32-8	Benzo(a)pyrene	410		62	62.6	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	340		54	62.6	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	54	62.6	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	56	J	52	62.6	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54	U	54	62.6	250	ug/Kg
SURROGATES							
7291-22-7	Pyridine-d5	0.93	*	20-120		2	SPK: -40
17647-74-4	1,4-Dioxane-d8	1.566		15-120		20	SPK: -8
4165-62-2	Phenol-d5	9.201		10-130		23	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	7.948		10-150		20	SPK: -40
93951-73-6	2-Chlorophenol-d4	11.263		15-120		28	SPK: -40
190780-66-6	4-Methylphenol-d8	9.439		10-140		24	SPK: -40
4165-60-0	Nitrobenzene-d5	11.208		10-135		28	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.801		10-120		32	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	11.3		10-140		28	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.54		1-145		4	SPK: -40
85448-30-2	Dimethylphthalate-d6	11.412		10-145		29	SPK: -40
93951-97-4	Acenaphthylene-d8	11.292		15-120		28	SPK: -40
93951-79-2	4-Nitrophenol-d4	7.05		10-150		18	SPK: -40
81103-79-9	Fluorene-d10	11.752		20-140		29	SPK: -40

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP3	SDG No.:	BM101424
Lab Sample ID:	P4239-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
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
BM048028.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	7.176		10-130		18	SPK: -40
1719-06-8	Anthracene-d10	11.407		10-150		29	SPK: -40
1718-52-1	Pyrene-d10	11.879		10-130		30	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	8.349		10-140		21	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	329148	7.781				
1146-65-2	Naphthalene-d8	1285294	10.575				
15067-26-2	Acenaphthene-d10	766440	14.421				
1517-22-2	Phenanthrene-d10	1520844	17.162				
1719-03-5	Chrysene-d12	1305175	21.386				
1520-96-3	Perylene-d12	1548737	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
000110-83-8	Cyclohexene	6400	J			3.046	
000930-68-7	2-Cyclohexen-1-one	550	J			6.41	
001561-86-0	2-Chlorocyclohexanol	330	J			8.098	
000119-61-9	Benzophenone	110	J			15.774	
000057-10-3	n-Hexadecanoic acid	720	J			18.056	
000203-64-5	4H-Cyclopenta[def]phenanthrene	210	J			18.227	
000084-65-1	9,10-Anthracenedione	130	J			18.574	
000243-17-4	11H-Benzo[b]fluorene	130	J			20.068	
1000406-04-8	Pentadecafluorooctanoic acid, octa	250	J			21.062	
	(DEL) Alkane: Straight-Chain22.150	170	J			22.15	
E966796	Total Alkanes	170				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP4	SDG No.:	BM101424
Lab Sample ID:	P4239-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048029.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	22	U	22	10.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	140	550	ug/Kg
110-86-1	Pyridine	71	U	71	270	550	ug/Kg
108-95-2	Phenol	58	U	58	140	550	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	56	U	56	140	550	ug/Kg
95-57-8	2-Chlorophenol	46	U	46	70.4	280	ug/Kg
95-48-7	2-Methylphenol	50	U	50	140	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45	U	45	140	550	ug/Kg
98-86-2	Acetophenone	63	U	63	140	550	ug/Kg
106-44-5	4-Methylphenol	53	U	53	140	550	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	48	U	48	70.4	280	ug/Kg
67-72-1	Hexachloroethane	38	U	38	70.4	280	ug/Kg
98-95-3	Nitrobenzene	60	U	60	70.4	280	ug/Kg
78-59-1	Isophorone	56	U	56	70.4	280	ug/Kg
88-75-5	2-Nitrophenol	53	U	53	70.4	280	ug/Kg
105-67-9	2,4-Dimethylphenol	46	U	46	70.4	280	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	63	U	63	70.4	280	ug/Kg
120-83-2	2,4-Dichlorophenol	65	U	65	70.4	280	ug/Kg
91-20-3	Naphthalene	56	U	56	70.4	280	ug/Kg
106-47-8	4-Chloroaniline	71	U	71	70.4	550	ug/Kg
87-68-3	Hexachlorobutadiene	56	U	56	70.4	280	ug/Kg
105-60-2	Caprolactam	200	U	200	140	550	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46	U	46	70.4	280	ug/Kg
90-12-0	1-Methylnaphthalene	68	U	68	70.4	280	ug/Kg
91-57-6	2-Methylnaphthalene	61	U	61	70.4	280	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	140	550	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71	U	71	70.4	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70	U	70	70.4	280	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP4	SDG No.:	BM101424
Lab Sample ID:	P4239-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
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
BM048029.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	79	U	79	70.4	280	ug/Kg
91-58-7	2-Chloronaphthalene	75	U	75	70.4	280	ug/Kg
88-74-4	2-Nitroaniline	36	U	36	70.4	280	ug/Kg
131-11-3	Dimethylphthalate	70	U	70	70.4	280	ug/Kg
606-20-2	2,6-Dinitrotoluene	35	U	35	70.4	280	ug/Kg
208-96-8	Acenaphthylene	71	U	71	70.4	280	ug/Kg
99-09-2	3-Nitroaniline	33	U	33	140	550	ug/Kg
83-32-9	Acenaphthene	68	U	68	70.4	280	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	140	550	ug/Kg
100-02-7	4-Nitrophenol	68	U	68	140	550	ug/Kg
132-64-9	Dibenzofuran	76	U	76	70.4	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	45	U	45	70.4	280	ug/Kg
84-66-2	Diethylphthalate	99	U	99	70.4	280	ug/Kg
86-73-7	Fluorene	75	U	75	70.4	280	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	78	U	78	70.4	280	ug/Kg
100-01-6	4-Nitroaniline	70	U	70	140	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	140	550	ug/Kg
86-30-6	N-Nitrosodiphenylamine	70	U	70	70.4	280	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	84	U	84	70.4	280	ug/Kg
101-55-3	4-Bromophenyl-phenylether	75	U	75	70.4	280	ug/Kg
118-74-1	Hexachlorobenzene	83	U	83	70.4	280	ug/Kg
1912-24-9	Atrazine	65	U	65	140	550	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	140	550	ug/Kg
85-01-8	Phenanthrene	73	U	73	70.4	280	ug/Kg
608-93-5	Pentachlorobenzene	84	U	84	70.4	280	ug/Kg
120-12-7	Anthracene	71	U	71	70.4	280	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	55	U	55	70.4	280	ug/Kg
86-74-8	Carbazole	75	U	75	140	550	ug/Kg
84-74-2	Di-n-butylphthalate	70	U	70	70.4	280	ug/Kg
206-44-0	Fluoranthene	110	J	73	140	280	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP4	SDG No.:	BM101424
Lab Sample ID:	P4239-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
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
BM048029.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	93	J	73	70.4	280	ug/Kg
85-68-7	Butylbenzylphthalate	53	U	53	70.4	280	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38	U	38	140	550	ug/Kg
56-55-3	Benzo(a)anthracene	65	U	65	70.4	280	ug/Kg
218-01-9	Chrysene	75	U	75	70.4	280	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	73	U	73	70.4	280	ug/Kg
117-84-0	Di-n-octyl phthalate	56	U	56	140	550	ug/Kg
205-99-2	Benzo(b)fluoranthene	70	U	70	70.4	280	ug/Kg
207-08-9	Benzo(k)fluoranthene	75	U	75	70.4	280	ug/Kg
50-32-8	Benzo(a)pyrene	70	U	70	70.4	280	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	61	U	61	70.4	280	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61	U	61	70.4	280	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58	U	58	70.4	280	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61	U	61	70.4	280	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.493		15-120		31	SPK: -8
7291-22-7	Pyridine-d5	11.41		20-120		29	SPK: -40
4165-62-2	Phenol-d5	14.355		10-130		36	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	12.055		10-150		30	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.354		15-120		43	SPK: -40
190780-66-6	4-Methylphenol-d8	14.936		10-140		37	SPK: -40
4165-60-0	Nitrobenzene-d5	17.395		10-135		43	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.291		10-120		51	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.572		10-140		44	SPK: -40
191656-33-4	4-Chloroaniline-d4	13.972		1-145		35	SPK: -40
85448-30-2	Dimethylphthalate-d6	17.216		10-145		43	SPK: -40
93951-97-4	Acenaphthylene-d8	17.621		15-120		44	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.445		10-150		29	SPK: -40
81103-79-9	Fluorene-d10	18.068		20-140		45	SPK: -40

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP4	SDG No.:	BM101424
Lab Sample ID:	P4239-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
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
BM048029.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.163		10-130		25	SPK: -40
1719-06-8	Anthracene-d10	17.704		10-150		44	SPK: -40
1718-52-1	Pyrene-d10	19.908		10-130		50	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	19.062		10-140		48	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	392545	7.787				
1146-65-2	Naphthalene-d8	1530783	10.575				
15067-26-2	Acenaphthene-d10	905464	14.421				
1517-22-2	Phenanthrene-d10	1802832	17.162				
1719-03-5	Chrysene-d12	1660461	21.386				
1520-96-3	Perylene-d12	1965698	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	230	J			15.774	
000057-10-3	n-Hexadecanoic acid	320	J			18.056	
	(DEL) Alkane: Straight-Chain	21.062	J			21.062	
E966796	Total Alkanes	220				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP5	SDG No.:	BM101424
Lab Sample ID:	P4239-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39
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
BM048030.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	10.8	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	140	540	ug/Kg
110-86-1	Pyridine	70	U	70	270	540	ug/Kg
108-95-2	Phenol	57	U	57	140	540	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	56	U	56	140	540	ug/Kg
95-57-8	2-Chlorophenol	46	U	46	69.7	280	ug/Kg
95-48-7	2-Methylphenol	49	U	49	140	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44	U	44	140	540	ug/Kg
98-86-2	Acetophenone	62	U	62	140	540	ug/Kg
106-44-5	4-Methylphenol	52	U	52	140	540	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	48	U	48	69.7	280	ug/Kg
67-72-1	Hexachloroethane	38	U	38	69.7	280	ug/Kg
98-95-3	Nitrobenzene	59	U	59	69.7	280	ug/Kg
78-59-1	Isophorone	56	U	56	69.7	280	ug/Kg
88-75-5	2-Nitrophenol	52	U	52	69.7	280	ug/Kg
105-67-9	2,4-Dimethylphenol	46	U	46	69.7	280	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	62	U	62	69.7	280	ug/Kg
120-83-2	2,4-Dichlorophenol	64	U	64	69.7	280	ug/Kg
91-20-3	Naphthalene	56	U	56	69.7	280	ug/Kg
106-47-8	4-Chloroaniline	70	U	70	69.7	540	ug/Kg
87-68-3	Hexachlorobutadiene	56	U	56	69.7	280	ug/Kg
105-60-2	Caprolactam	200	U	200	140	540	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46	U	46	69.7	280	ug/Kg
90-12-0	1-Methylnaphthalene	67	U	67	69.7	280	ug/Kg
91-57-6	2-Methylnaphthalene	61	U	61	69.7	280	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	140	540	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70	U	70	69.7	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	69	U	69	69.7	280	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP5	SDG No.:	BM101424
Lab Sample ID:	P4239-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39
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
BM048030.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	79	U	79	69.7	280	ug/Kg
91-58-7	2-Chloronaphthalene	74	U	74	69.7	280	ug/Kg
88-74-4	2-Nitroaniline	36	U	36	69.7	280	ug/Kg
131-11-3	Dimethylphthalate	69	U	69	69.7	280	ug/Kg
606-20-2	2,6-Dinitrotoluene	34	U	34	69.7	280	ug/Kg
208-96-8	Acenaphthylene	70	U	70	69.7	280	ug/Kg
99-09-2	3-Nitroaniline	33	U	33	140	540	ug/Kg
83-32-9	Acenaphthene	67	U	67	69.7	280	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	140	540	ug/Kg
100-02-7	4-Nitrophenol	67	U	67	140	540	ug/Kg
132-64-9	Dibenzofuran	75	U	75	69.7	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	44	U	44	69.7	280	ug/Kg
84-66-2	Diethylphthalate	98	U	98	69.7	280	ug/Kg
86-73-7	Fluorene	74	U	74	69.7	280	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	77	U	77	69.7	280	ug/Kg
100-01-6	4-Nitroaniline	69	U	69	140	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	140	540	ug/Kg
86-30-6	N-Nitrosodiphenylamine	69	U	69	69.7	280	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	84	U	84	69.7	280	ug/Kg
101-55-3	4-Bromophenyl-phenylether	74	U	74	69.7	280	ug/Kg
118-74-1	Hexachlorobenzene	82	U	82	69.7	280	ug/Kg
1912-24-9	Atrazine	64	U	64	140	540	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	140	540	ug/Kg
85-01-8	Phenanthrene	72	U	72	69.7	280	ug/Kg
608-93-5	Pentachlorobenzene	84	U	84	69.7	280	ug/Kg
120-12-7	Anthracene	70	U	70	69.7	280	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	54	U	54	69.7	280	ug/Kg
86-74-8	Carbazole	74	U	74	140	540	ug/Kg
84-74-2	Di-n-butylphthalate	69	U	69	69.7	280	ug/Kg
206-44-0	Fluoranthene	150	J	72	140	280	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP5	SDG No.:	BM101424
Lab Sample ID:	P4239-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39
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
BM048030.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	130	J	72	69.7	280	ug/Kg
85-68-7	Butylbenzylphthalate	52	U	52	69.7	280	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38	U	38	140	540	ug/Kg
56-55-3	Benzo(a)anthracene	73	J	64	69.7	280	ug/Kg
218-01-9	Chrysene	78	J	74	69.7	280	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		72	69.7	280	ug/Kg
117-84-0	Di-n-octyl phthalate	56	U	56	140	540	ug/Kg
205-99-2	Benzo(b)fluoranthene	97	J	69	69.7	280	ug/Kg
207-08-9	Benzo(k)fluoranthene	74	U	74	69.7	280	ug/Kg
50-32-8	Benzo(a)pyrene	76	J	69	69.7	280	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	61	U	61	69.7	280	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61	U	61	69.7	280	ug/Kg
191-24-2	Benzo(g,h,i)perylene	57	U	57	69.7	280	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61	U	61	69.7	280	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.388		15-120		30	SPK: -8
7291-22-7	Pyridine-d5	9.935		20-120		25	SPK: -40
4165-62-2	Phenol-d5	13.916		10-130		35	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	12.007		10-150		30	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.026		15-120		43	SPK: -40
190780-66-6	4-Methylphenol-d8	14.79		10-140		37	SPK: -40
4165-60-0	Nitrobenzene-d5	17.367		10-135		43	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.434		10-120		51	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.475		10-140		44	SPK: -40
191656-33-4	4-Chloroaniline-d4	13.714		1-145		34	SPK: -40
85448-30-2	Dimethylphthalate-d6	17.097		10-145		43	SPK: -40
93951-97-4	Acenaphthylene-d8	17.637		15-120		44	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.111		10-150		30	SPK: -40
81103-79-9	Fluorene-d10	18.065		20-140		45	SPK: -40

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP5	SDG No.:	BM101424
Lab Sample ID:	P4239-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39
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
BM048030.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.948		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	17.642		10-150		44	SPK: -40
1718-52-1	Pyrene-d10	19.381		10-130		48	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.772		10-140		47	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	387460	7.781				
1146-65-2	Naphthalene-d8	1540112	10.574				
15067-26-2	Acenaphthene-d10	939629	14.421				
1517-22-2	Phenanthrene-d10	1916842	17.162				
1719-03-5	Chrysene-d12	1813068	21.386				
1520-96-3	Perylene-d12	2145279	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	240	J			15.774	
000057-10-3	n-Hexadecanoic acid	360	J			18.056	
	(DEL) Alkane: Straight-Chain	21.062	J			21.062	
E966796	Total Alkanes	190				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EM6	SDG No.:	BM101424
Lab Sample ID:	P4239-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	35.6
Sample Wt/Vol:	30	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
BM048031.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	20	U	20	10.2	100	ug/Kg
100-52-7	Benzaldehyde	120	U	120	130	510	ug/Kg
110-86-1	Pyridine	67	U	67	260	510	ug/Kg
108-95-2	Phenol	54	U	54	130	510	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	53	U	53	130	510	ug/Kg
95-57-8	2-Chlorophenol	43	U	43	66	260	ug/Kg
95-48-7	2-Methylphenol	47	U	47	130	510	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	42	U	42	130	510	ug/Kg
98-86-2	Acetophenone	59	U	59	130	510	ug/Kg
106-44-5	4-Methylphenol	50	U	50	130	510	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	45	U	45	66	260	ug/Kg
67-72-1	Hexachloroethane	36	U	36	66	260	ug/Kg
98-95-3	Nitrobenzene	56	U	56	66	260	ug/Kg
78-59-1	Isophorone	53	U	53	66	260	ug/Kg
88-75-5	2-Nitrophenol	50	U	50	66	260	ug/Kg
105-67-9	2,4-Dimethylphenol	43	U	43	66	260	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	59	U	59	66	260	ug/Kg
120-83-2	2,4-Dichlorophenol	61	U	61	66	260	ug/Kg
91-20-3	Naphthalene	53	U	53	66	260	ug/Kg
106-47-8	4-Chloroaniline	67	U	67	66	510	ug/Kg
87-68-3	Hexachlorobutadiene	53	U	53	66	260	ug/Kg
105-60-2	Caprolactam	190	U	190	130	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	43	U	43	66	260	ug/Kg
90-12-0	1-Methylnaphthalene	64	U	64	66	260	ug/Kg
91-57-6	2-Methylnaphthalene	57	U	57	66	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	130	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	67	U	67	66	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65	U	65	66	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EM6	SDG No.:	BM101424
Lab Sample ID:	P4239-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	35.6
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
BM048031.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	75	U	75	66	260	ug/Kg
91-58-7	2-Chloronaphthalene	70	U	70	66	260	ug/Kg
88-74-4	2-Nitroaniline	34	U	34	66	260	ug/Kg
131-11-3	Dimethylphthalate	65	U	65	66	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	33	U	33	66	260	ug/Kg
208-96-8	Acenaphthylene	67	U	67	66	260	ug/Kg
99-09-2	3-Nitroaniline	31	U	31	130	510	ug/Kg
83-32-9	Acenaphthene	64	U	64	66	260	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	130	510	ug/Kg
100-02-7	4-Nitrophenol	64	U	64	130	510	ug/Kg
132-64-9	Dibenzofuran	71	U	71	66	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	66	260	ug/Kg
84-66-2	Diethylphthalate	93	U	93	66	260	ug/Kg
86-73-7	Fluorene	70	U	70	66	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	73	U	73	66	260	ug/Kg
100-01-6	4-Nitroaniline	65	U	65	130	510	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	25	U	25	130	510	ug/Kg
86-30-6	N-Nitrosodiphenylamine	65	U	65	66	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	79	U	79	66	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70	U	70	66	260	ug/Kg
118-74-1	Hexachlorobenzene	78	U	78	66	260	ug/Kg
1912-24-9	Atrazine	61	U	61	130	510	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	130	510	ug/Kg
85-01-8	Phenanthrene	120	J	68	66	260	ug/Kg
608-93-5	Pentachlorobenzene	79	U	79	66	260	ug/Kg
120-12-7	Anthracene	67	U	67	66	260	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	51	U	51	66	260	ug/Kg
86-74-8	Carbazole	70	U	70	130	510	ug/Kg
84-74-2	Di-n-butylphthalate	65	U	65	66	260	ug/Kg
206-44-0	Fluoranthene	170	J	68	130	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EM6	SDG No.:	BM101424
Lab Sample ID:	P4239-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	35.6
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
BM048031.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	160	J	68	66	260	ug/Kg
85-68-7	Butylbenzylphthalate	50	U	50	66	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36	U	36	130	510	ug/Kg
56-55-3	Benzo(a)anthracene	77	J	61	66	260	ug/Kg
218-01-9	Chrysene	82	J	70	66	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68	U	68	66	260	ug/Kg
117-84-0	Di-n-octyl phthalate	53	U	53	130	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	90	J	65	66	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	70	U	70	66	260	ug/Kg
50-32-8	Benzo(a)pyrene	68	J	65	66	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57	U	57	66	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57	U	57	66	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54	U	54	66	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57	U	57	66	260	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.512		15-120		31	SPK: -8
7291-22-7	Pyridine-d5	11.132		20-120		28	SPK: -40
4165-62-2	Phenol-d5	14.513		10-130		36	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	11.923		10-150		30	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.048		15-120		43	SPK: -40
190780-66-6	4-Methylphenol-d8	15.942		10-140		40	SPK: -40
4165-60-0	Nitrobenzene-d5	17.247		10-135		43	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.149		10-120		50	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.049		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	15.456		1-145		39	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.243		10-145		46	SPK: -40
93951-97-4	Acenaphthylene-d8	18.261		15-120		46	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.904		10-150		32	SPK: -40
81103-79-9	Fluorene-d10	18.928		20-140		47	SPK: -40

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EM6	SDG No.:	BM101424
Lab Sample ID:	P4239-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	35.6
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
BM048031.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.72		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	18.945		10-150		47	SPK: -40
1718-52-1	Pyrene-d10	20.356		10-130		51	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.122		10-140		50	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	342539	7.787				
1146-65-2	Naphthalene-d8	1364533	10.575				
15067-26-2	Acenaphthene-d10	834878	14.422				
1517-22-2	Phenanthrene-d10	1680600	17.163				
1719-03-5	Chrysene-d12	1634652	21.386				
1520-96-3	Perylene-d12	1939419	24.386				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	250	J			15.774	
000057-10-3	n-Hexadecanoic acid	250	J			18.057	
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J			21.062	
E966796	Total Alkanes	75	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048033.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	75	U	75	82.5	330	ug/Kg
110-86-1	Pyridine	43	U	43	170	330	ug/Kg
108-95-2	Phenol	35	U	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	30	U	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27	U	27	82.5	330	ug/Kg
98-86-2	Acetophenone	38	U	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	32	U	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	29	U	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	23	U	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	36	U	36	42.5	170	ug/Kg
78-59-1	Isophorone	34	U	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	32	U	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	28	U	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	38	U	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	39	U	39	42.5	170	ug/Kg
91-20-3	Naphthalene	34	U	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	34	U	34	42.5	170	ug/Kg
105-60-2	Caprolactam	120	U	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28	U	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	79	U	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43	U	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048033.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	48	U	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	45	U	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	22	U	22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	42	U	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	21	U	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	43	U	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	20	U	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	41	U	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	41	U	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	46	U	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	60	U	60	42.5	170	ug/Kg
86-73-7	Fluorene	45	U	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47	U	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	42	U	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	42	U	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45	U	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	50	U	50	42.5	170	ug/Kg
1912-24-9	Atrazine	39	U	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	87	U	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	44	U	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	42.5	170	ug/Kg
120-12-7	Anthracene	43	U	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	33	U	33	42.5	170	ug/Kg
86-74-8	Carbazole	45	U	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	42	U	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	44	U	44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048033.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.909		15-120		49	SPK: -8
7291-22-7	Pyridine-d5	17.623		20-120		44	SPK: -40
4165-62-2	Phenol-d5	19.353		10-130		48	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.241		10-150		41	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.835		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	20.262		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	22.174		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.092		10-120		65	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.01		10-140		55	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.969		1-145		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.862		10-145		55	SPK: -40
93951-97-4	Acenaphthylene-d8	22.271		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.291		10-150		46	SPK: -40
81103-79-9	Fluorene-d10	22.554		20-140		56	SPK: -40

Report of Analysis

Client:		Date Collected:	10/3/2024 12:00:00 AM
Project:		Date Received:	10/3/2024 12:00:00 AM
Client Sample ID:	SBLK884	SDG No.:	BM101424
Lab Sample ID:	PB163884BL	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
BM048033.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	15.32		10-130		38	SPK: -40
1719-06-8	Anthracene-d10	22.908		10-150		57	SPK: -40
1718-52-1	Pyrene-d10	23.271		10-130		58	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.805		10-140		60	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	245281	7.781				
1146-65-2	Naphthalene-d8	980955	10.575				
15067-26-2	Acenaphthene-d10	603483	14.421				
1517-22-2	Phenanthrene-d10	1236489	17.162				
1719-03-5	Chrysene-d12	1282323	21.386				
1520-96-3	Perylene-d12	1499299	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET4	SDG No.:	BM101424
Lab Sample ID:	P4239-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.6
Sample Wt/Vol:	30	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
BM048034.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	22	U	22	11.3	110	ug/Kg
110-86-1	Pyridine	74	U	74	280	570	ug/Kg
100-52-7	Benzaldehyde	130	U	130	140	570	ug/Kg
108-95-2	Phenol	60	U	60	140	570	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	58	U	58	140	570	ug/Kg
95-57-8	2-Chlorophenol	48	U	48	72.8	290	ug/Kg
95-48-7	2-Methylphenol	51	U	51	140	570	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46	U	46	140	570	ug/Kg
98-86-2	Acetophenone	65	U	65	140	570	ug/Kg
106-44-5	4-Methylphenol	55	U	55	140	570	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	50	U	50	72.8	290	ug/Kg
67-72-1	Hexachloroethane	39	U	39	72.8	290	ug/Kg
98-95-3	Nitrobenzene	62	U	62	72.8	290	ug/Kg
78-59-1	Isophorone	58	U	58	72.8	290	ug/Kg
88-75-5	2-Nitrophenol	55	U	55	72.8	290	ug/Kg
105-67-9	2,4-Dimethylphenol	48	U	48	72.8	290	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	65	U	65	72.8	290	ug/Kg
120-83-2	2,4-Dichlorophenol	67	U	67	72.8	290	ug/Kg
91-20-3	Naphthalene	58	U	58	72.8	290	ug/Kg
106-47-8	4-Chloroaniline	74	U	74	72.8	570	ug/Kg
87-68-3	Hexachlorobutadiene	58	U	58	72.8	290	ug/Kg
105-60-2	Caprolactam	210	U	210	140	570	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48	U	48	72.8	290	ug/Kg
90-12-0	1-Methylnaphthalene	70	U	70	72.8	290	ug/Kg
91-57-6	2-Methylnaphthalene	63	U	63	72.8	290	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	140	570	ug/Kg
88-06-2	2,4,6-Trichlorophenol	74	U	74	72.8	290	ug/Kg
95-95-4	2,4,5-Trichlorophenol	72	U	72	72.8	290	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET4	SDG No.:	BM101424
Lab Sample ID:	P4239-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.6
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
BM048034.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	82	U	82	72.8	290	ug/Kg
91-58-7	2-Chloronaphthalene	77	U	77	72.8	290	ug/Kg
88-74-4	2-Nitroaniline	38	U	38	72.8	290	ug/Kg
131-11-3	Dimethylphthalate	72	U	72	72.8	290	ug/Kg
606-20-2	2,6-Dinitrotoluene	36	U	36	72.8	290	ug/Kg
208-96-8	Acenaphthylene	74	U	74	72.8	290	ug/Kg
99-09-2	3-Nitroaniline	34	U	34	140	570	ug/Kg
83-32-9	Acenaphthene	70	U	70	72.8	290	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	140	570	ug/Kg
100-02-7	4-Nitrophenol	70	U	70	140	570	ug/Kg
132-64-9	Dibenzofuran	79	U	79	72.8	290	ug/Kg
121-14-2	2,4-Dinitrotoluene	46	U	46	72.8	290	ug/Kg
84-66-2	Diethylphthalate	100	U	100	72.8	290	ug/Kg
86-73-7	Fluorene	77	U	77	72.8	290	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	80	U	80	72.8	290	ug/Kg
100-01-6	4-Nitroaniline	72	U	72	140	570	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	27	U	27	140	570	ug/Kg
86-30-6	N-Nitrosodiphenylamine	72	U	72	72.8	290	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	87	U	87	72.8	290	ug/Kg
101-55-3	4-Bromophenyl-phenylether	77	U	77	72.8	290	ug/Kg
118-74-1	Hexachlorobenzene	86	U	86	72.8	290	ug/Kg
1912-24-9	Atrazine	67	U	67	140	570	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	140	570	ug/Kg
85-01-8	Phenanthrene	330		75	72.8	290	ug/Kg
608-93-5	Pentachlorobenzene	87	U	87	72.8	290	ug/Kg
120-12-7	Anthracene	74	U	74	72.8	290	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	57	U	57	72.8	290	ug/Kg
86-74-8	Carbazole	77	U	77	140	570	ug/Kg
84-74-2	Di-n-butylphthalate	72	U	72	72.8	290	ug/Kg
206-44-0	Fluoranthene	400		75	140	290	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET4	SDG No.:	BM101424
Lab Sample ID:	P4239-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.6
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
BM048034.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	290		75	72.8	290	ug/Kg
85-68-7	Butylbenzylphthalate	55	U	55	72.8	290	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39	U	39	140	570	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	67	72.8	290	ug/Kg
218-01-9	Chrysene	180	J	77	72.8	290	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	220	J	75	72.8	290	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	140	570	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	J	72	72.8	290	ug/Kg
207-08-9	Benzo(k)fluoranthene	77	U	77	72.8	290	ug/Kg
50-32-8	Benzo(a)pyrene	87	J	72	72.8	290	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	63	U	63	72.8	290	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63	U	63	72.8	290	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60	U	60	72.8	290	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	63	U	63	72.8	290	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.628		15-120		20	SPK: -8
7291-22-7	Pyridine-d5	0.712	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	9.065		10-130		23	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	8.201		10-150		21	SPK: -40
93951-73-6	2-Chlorophenol-d4	11.422		15-120		29	SPK: -40
190780-66-6	4-Methylphenol-d8	8.591		10-140		21	SPK: -40
4165-60-0	Nitrobenzene-d5	11.366		10-135		28	SPK: -40
93951-78-1	2-Nitrophenol-d4	13.031		10-120		33	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	10.937		10-140		27	SPK: -40
191656-33-4	4-Chloroaniline-d4	5.688		1-145		14	SPK: -40
85448-30-2	Dimethylphthalate-d6	11.59		10-145		29	SPK: -40
93951-97-4	Acenaphthylene-d8	11.591		15-120		29	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.943		10-150		15	SPK: -40
81103-79-9	Fluorene-d10	12.242		20-140		31	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET4	SDG No.:	BM101424
Lab Sample ID:	P4239-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	41.6
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
BM048034.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	5.586		10-130		14	SPK: -40
1719-06-8	Anthracene-d10	11.623		10-150		29	SPK: -40
1718-52-1	Pyrene-d10	11.568		10-130		29	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	8.839		10-140		22	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	276995	7.781				
1146-65-2	Naphthalene-d8	1083476	10.575				
15067-26-2	Acenaphthene-d10	644664	14.421				
1517-22-2	Phenanthrene-d10	1312919	17.162				
1719-03-5	Chrysene-d12	1282604	21.386				
1520-96-3	Perylene-d12	1504378	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
002597-49-1	Cyclobutane, ethenyl-	9100	J			3.046	
000930-68-7	2-Cyclohexen-1-one	660	J			6.41	
001561-86-0	2-Chlorocyclohexanol	400	J			8.098	
000057-10-3	n-Hexadecanoic acid	140	J			18.051	
000203-64-5	4H-Cyclopenta[def]phenanthrene	120	J			18.227	
E966796	Total Alkanes	82	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG3	SDG No.:	BM101424
Lab Sample ID:	P4239-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.4
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
BM048035.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.6	97	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	480	ug/Kg
110-86-1	Pyridine	62	U	62	240	480	ug/Kg
108-95-2	Phenol	51	U	51	120	480	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	49	U	49	120	480	ug/Kg
95-57-8	2-Chlorophenol	41	U	41	61.7	250	ug/Kg
95-48-7	2-Methylphenol	44	U	44	120	480	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39	U	39	120	480	ug/Kg
98-86-2	Acetophenone	55	U	55	120	480	ug/Kg
106-44-5	4-Methylphenol	46	U	46	120	480	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	42	U	42	61.7	250	ug/Kg
67-72-1	Hexachloroethane	33	U	33	61.7	250	ug/Kg
98-95-3	Nitrobenzene	52	U	52	61.7	250	ug/Kg
78-59-1	Isophorone	49	U	49	61.7	250	ug/Kg
88-75-5	2-Nitrophenol	46	U	46	61.7	250	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	61.7	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	61.7	250	ug/Kg
120-83-2	2,4-Dichlorophenol	57	U	57	61.7	250	ug/Kg
91-20-3	Naphthalene	49	U	49	61.7	250	ug/Kg
106-47-8	4-Chloroaniline	62	U	62	61.7	480	ug/Kg
87-68-3	Hexachlorobutadiene	49	U	49	61.7	250	ug/Kg
105-60-2	Caprolactam	170	U	170	120	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	61.7	250	ug/Kg
90-12-0	1-Methylnaphthalene	60	U	60	61.7	250	ug/Kg
91-57-6	2-Methylnaphthalene	54	U	54	61.7	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	120	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	62	U	62	61.7	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61	U	61	61.7	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG3	SDG No.:	BM101424
Lab Sample ID:	P4239-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.4
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
BM048035.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	70	U	70	61.7	250	ug/Kg
91-58-7	2-Chloronaphthalene	65	U	65	61.7	250	ug/Kg
88-74-4	2-Nitroaniline	32	U	32	61.7	250	ug/Kg
131-11-3	Dimethylphthalate	61	U	61	61.7	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	31	U	31	61.7	250	ug/Kg
208-96-8	Acenaphthylene	62	U	62	61.7	250	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	120	480	ug/Kg
83-32-9	Acenaphthene	60	U	60	61.7	250	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	120	480	ug/Kg
100-02-7	4-Nitrophenol	60	U	60	120	480	ug/Kg
132-64-9	Dibenzofuran	67	U	67	61.7	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	39	U	39	61.7	250	ug/Kg
84-66-2	Diethylphthalate	87	U	87	61.7	250	ug/Kg
86-73-7	Fluorene	65	U	65	61.7	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	68	U	68	61.7	250	ug/Kg
100-01-6	4-Nitroaniline	61	U	61	120	480	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	480	ug/Kg
86-30-6	N-Nitrosodiphenylamine	61	U	61	61.7	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	74	U	74	61.7	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65	U	65	61.7	250	ug/Kg
118-74-1	Hexachlorobenzene	73	U	73	61.7	250	ug/Kg
1912-24-9	Atrazine	57	U	57	120	480	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	480	ug/Kg
85-01-8	Phenanthrene	290		64	61.7	250	ug/Kg
608-93-5	Pentachlorobenzene	74	U	74	61.7	250	ug/Kg
120-12-7	Anthracene	62	U	62	61.7	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	48	U	48	61.7	250	ug/Kg
86-74-8	Carbazole	65	U	65	120	480	ug/Kg
84-74-2	Di-n-butylphthalate	61	U	61	61.7	250	ug/Kg
206-44-0	Fluoranthene	520		64	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG3	SDG No.:	BM101424
Lab Sample ID:	P4239-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048035.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	350		64	61.7	250	ug/Kg
85-68-7	Butylbenzylphthalate	46	U	46	61.7	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	33	U	33	120	480	ug/Kg
56-55-3	Benzo(a)anthracene	220	J	57	61.7	250	ug/Kg
218-01-9	Chrysene	240	J	65	61.7	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	64	61.7	250	ug/Kg
117-84-0	Di-n-octyl phthalate	49	U	49	120	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	290		61	61.7	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	65	61.7	250	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	61	61.7	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	92	J	54	61.7	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54	U	54	61.7	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51	U	51	61.7	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54	U	54	61.7	250	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.326		15-120		17	SPK: -8
7291-22-7	Pyridine-d5	0.489	*	20-120		1	SPK: -40
4165-62-2	Phenol-d5	7.338		10-130		18	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	6.391		10-150		16	SPK: -40
93951-73-6	2-Chlorophenol-d4	9.068		15-120		23	SPK: -40
190780-66-6	4-Methylphenol-d8	5.998		10-140		15	SPK: -40
4165-60-0	Nitrobenzene-d5	9.013		10-135		23	SPK: -40
93951-78-1	2-Nitrophenol-d4	10.064		10-120		25	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	8.964		10-140		22	SPK: -40
191656-33-4	4-Chloroaniline-d4	3.43		1-145		9	SPK: -40
85448-30-2	Dimethylphthalate-d6	9.332		10-145		23	SPK: -40
93951-97-4	Acenaphthylene-d8	9.245		15-120		23	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.181		10-150		13	SPK: -40
81103-79-9	Fluorene-d10	9.922		20-140		25	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG3	SDG No.:	BM101424
Lab Sample ID:	P4239-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.4
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
BM048035.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	4.541		10-130		11	SPK: -40
1719-06-8	Anthracene-d10	9.064		10-150		23	SPK: -40
1718-52-1	Pyrene-d10	9.6		10-130		24	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.138		10-140		18	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	298875	7.781				
1146-65-2	Naphthalene-d8	1176933	10.574				
15067-26-2	Acenaphthene-d10	706615	14.421				
1517-22-2	Phenanthrene-d10	1434628	17.162				
1719-03-5	Chrysene-d12	1355912	21.386				
1520-96-3	Perylene-d12	1598956	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	120	J			15.774	
000057-10-3	n-Hexadecanoic acid	170	J			18.056	
000203-64-5	4H-Cyclopenta[def]phenanthrene	120	J			18.227	
000103-23-1	Hexanedioic acid, bis(2-ethylhexyl (DEL) Alkane: Cyclic	910 21.062	J			20.538 21.062	
E966796	Total Alkanes	99				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET3	SDG No.:	BM101424
Lab Sample ID:	P4239-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	57.4
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
BM048036.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	30	U	30	15.4	160	ug/Kg
100-52-7	Benzaldehyde	180	U	180	190	770	ug/Kg
110-86-1	Pyridine	100	U	100	390	770	ug/Kg
108-95-2	Phenol	82	U	82	190	770	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	80	U	80	190	770	ug/Kg
95-57-8	2-Chlorophenol	66	U	66	99.4	400	ug/Kg
95-48-7	2-Methylphenol	70	U	70	190	770	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63	U	63	190	770	ug/Kg
98-86-2	Acetophenone	89	U	89	190	770	ug/Kg
106-44-5	4-Methylphenol	75	U	75	190	770	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	68	U	68	99.4	400	ug/Kg
67-72-1	Hexachloroethane	54	U	54	99.4	400	ug/Kg
98-95-3	Nitrobenzene	84	U	84	99.4	400	ug/Kg
78-59-1	Isophorone	80	U	80	99.4	400	ug/Kg
88-75-5	2-Nitrophenol	75	U	75	99.4	400	ug/Kg
105-67-9	2,4-Dimethylphenol	66	U	66	99.4	400	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	89	U	89	99.4	400	ug/Kg
120-83-2	2,4-Dichlorophenol	91	U	91	99.4	400	ug/Kg
91-20-3	Naphthalene	80	U	80	99.4	400	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	99.4	770	ug/Kg
87-68-3	Hexachlorobutadiene	80	U	80	99.4	400	ug/Kg
105-60-2	Caprolactam	280	U	280	190	770	ug/Kg
59-50-7	4-Chloro-3-methylphenol	66	U	66	99.4	400	ug/Kg
90-12-0	1-Methylnaphthalene	96	U	96	99.4	400	ug/Kg
91-57-6	2-Methylnaphthalene	87	U	87	99.4	400	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	190	770	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	99.4	400	ug/Kg
95-95-4	2,4,5-Trichlorophenol	98	U	98	99.4	400	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET3	SDG No.:	BM101424
Lab Sample ID:	P4239-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	57.4
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
BM048036.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	110	U	110	99.4	400	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	99.4	400	ug/Kg
88-74-4	2-Nitroaniline	51	U	51	99.4	400	ug/Kg
131-11-3	Dimethylphthalate	98	U	98	99.4	400	ug/Kg
606-20-2	2,6-Dinitrotoluene	49	U	49	99.4	400	ug/Kg
208-96-8	Acenaphthylene	100	U	100	99.4	400	ug/Kg
99-09-2	3-Nitroaniline	47	U	47	190	770	ug/Kg
83-32-9	Acenaphthene	96	U	96	99.4	400	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	190	770	ug/Kg
100-02-7	4-Nitrophenol	96	U	96	190	770	ug/Kg
132-64-9	Dibenzofuran	110	U	110	99.4	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	63	U	63	99.4	400	ug/Kg
84-66-2	Diethylphthalate	140	U	140	99.4	400	ug/Kg
86-73-7	Fluorene	110	U	110	99.4	400	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	99.4	400	ug/Kg
100-01-6	4-Nitroaniline	98	U	98	190	770	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	37	U	37	190	770	ug/Kg
86-30-6	N-Nitrosodiphenylamine	98	U	98	99.4	400	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	99.4	400	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	99.4	400	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	99.4	400	ug/Kg
1912-24-9	Atrazine	91	U	91	190	770	ug/Kg
87-86-5	Pentachlorophenol	200	U	200	190	770	ug/Kg
85-01-8	Phenanthrene	220	J	100	99.4	400	ug/Kg
608-93-5	Pentachlorobenzene	120	U	120	99.4	400	ug/Kg
120-12-7	Anthracene	100	U	100	99.4	400	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	77	U	77	99.4	400	ug/Kg
86-74-8	Carbazole	110	U	110	190	770	ug/Kg
84-74-2	Di-n-butylphthalate	98	U	98	99.4	400	ug/Kg
206-44-0	Fluoranthene	550		100	190	400	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET3	SDG No.:	BM101424
Lab Sample ID:	P4239-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	57.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048036.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	370	J	100	99.4	400	ug/Kg
85-68-7	Butylbenzylphthalate	75	U	75	99.4	400	ug/Kg
91-94-1	3,3-Dichlorobenzidine	54	U	54	190	770	ug/Kg
56-55-3	Benzo(a)anthracene	230	J	91	99.4	400	ug/Kg
218-01-9	Chrysene	300	J	110	99.4	400	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	J	100	99.4	400	ug/Kg
117-84-0	Di-n-octyl phthalate	80	U	80	190	770	ug/Kg
205-99-2	Benzo(b)fluoranthene	400		98	99.4	400	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	110	99.4	400	ug/Kg
50-32-8	Benzo(a)pyrene	150	J	98	99.4	400	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	J	87	99.4	400	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	87	U	87	99.4	400	ug/Kg
191-24-2	Benzo(g,h,i)perylene	82	U	82	99.4	400	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87	U	87	99.4	400	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.159	*	15-120		14	SPK: -8
7291-22-7	Pyridine-d5	0.771	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	6.262		10-130		16	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	6.188		10-150		15	SPK: -40
93951-73-6	2-Chlorophenol-d4	8.239		15-120		21	SPK: -40
190780-66-6	4-Methylphenol-d8	4.992		10-140		12	SPK: -40
4165-60-0	Nitrobenzene-d5	8.761		10-135		22	SPK: -40
93951-78-1	2-Nitrophenol-d4	9.735		10-120		24	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	8.281		10-140		21	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.513		1-145		6	SPK: -40
85448-30-2	Dimethylphthalate-d6	8.706		10-145		22	SPK: -40
93951-97-4	Acenaphthylene-d8	8.775		15-120		22	SPK: -40
93951-79-2	4-Nitrophenol-d4	3.998		10-150		10	SPK: -40
81103-79-9	Fluorene-d10	9.396		20-140		23	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET3	SDG No.:	BM101424
Lab Sample ID:	P4239-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	57.4
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
BM048036.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	4.325		10-130		11	SPK: -40
1719-06-8	Anthracene-d10	8.535		10-150		21	SPK: -40
1718-52-1	Pyrene-d10	8.916		10-130		22	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	6.799		10-140		17	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	359130	7.781				
1146-65-2	Naphthalene-d8	1423635	10.575				
15067-26-2	Acenaphthene-d10	869587	14.421				
1517-22-2	Phenanthrene-d10	1807032	17.162				
1719-03-5	Chrysene-d12	1783281	21.386				
1520-96-3	Perylene-d12	2078147	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000110-83-8	Cyclohexene	11000	J			3.046	
000930-68-7	2-Cyclohexen-1-one	890	J			6.416	
001561-86-0	2-Chlorocyclohexanol	540	J			8.098	
000057-10-3	n-Hexadecanoic acid	180	J			18.051	
	unknown-01	180	J			18.756	
E966796	Total Alkanes	110	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F08	SDG No.:	BM101424
Lab Sample ID:	P4239-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM048037.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8	81	ug/Kg
100-52-7	Benzaldehyde	91	U	91	100	400	ug/Kg
110-86-1	Pyridine	52	U	52	200	400	ug/Kg
108-95-2	Phenol	43	U	43	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	41	U	41	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.7	210	ug/Kg
95-48-7	2-Methylphenol	37	U	37	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	33	U	33	100	400	ug/Kg
98-86-2	Acetophenone	46	U	46	100	400	ug/Kg
106-44-5	4-Methylphenol	39	U	39	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	51.7	210	ug/Kg
67-72-1	Hexachloroethane	28	U	28	51.7	210	ug/Kg
98-95-3	Nitrobenzene	44	U	44	51.7	210	ug/Kg
78-59-1	Isophorone	41	U	41	51.7	210	ug/Kg
88-75-5	2-Nitrophenol	39	U	39	51.7	210	ug/Kg
105-67-9	2,4-Dimethylphenol	34	U	34	51.7	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	46	U	46	51.7	210	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	51.7	210	ug/Kg
91-20-3	Naphthalene	41	U	41	51.7	210	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	51.7	400	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	51.7	210	ug/Kg
105-60-2	Caprolactam	150	U	150	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	51.7	210	ug/Kg
90-12-0	1-Methylnaphthalene	50	U	50	51.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	45	U	45	51.7	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	96	U	96	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	51.7	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51	U	51	51.7	210	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F08	SDG No.:	BM101424
Lab Sample ID:	P4239-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM048037.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	58	U	58	51.7	210	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	51.7	210	ug/Kg
88-74-4	2-Nitroaniline	27	U	27	51.7	210	ug/Kg
131-11-3	Dimethylphthalate	51	U	51	51.7	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	51.7	210	ug/Kg
208-96-8	Acenaphthylene	52	U	52	51.7	210	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	100	400	ug/Kg
83-32-9	Acenaphthene	50	U	50	51.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	400	ug/Kg
100-02-7	4-Nitrophenol	50	U	50	100	400	ug/Kg
132-64-9	Dibenzofuran	56	U	56	51.7	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	33	U	33	51.7	210	ug/Kg
84-66-2	Diethylphthalate	73	U	73	51.7	210	ug/Kg
86-73-7	Fluorene	55	U	55	51.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57	U	57	51.7	210	ug/Kg
100-01-6	4-Nitroaniline	51	U	51	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	51	U	51	51.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	62	51.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55	U	55	51.7	210	ug/Kg
118-74-1	Hexachlorobenzene	61	U	61	51.7	210	ug/Kg
1912-24-9	Atrazine	47	U	47	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	95	J	54	51.7	210	ug/Kg
608-93-5	Pentachlorobenzene	62	U	62	51.7	210	ug/Kg
120-12-7	Anthracene	52	U	52	51.7	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	40	U	40	51.7	210	ug/Kg
86-74-8	Carbazole	55	U	55	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	51	U	51	51.7	210	ug/Kg
206-44-0	Fluoranthene	150	J	54	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F08	SDG No.:	BM101424
Lab Sample ID:	P4239-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM048037.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	100	J	54	51.7	210	ug/Kg
85-68-7	Butylbenzylphthalate	39	U	39	51.7	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	28	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	64	J	47	51.7	210	ug/Kg
218-01-9	Chrysene	68	J	55	51.7	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54	U	54	51.7	210	ug/Kg
117-84-0	Di-n-octyl phthalate	41	U	41	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	76	J	51	51.7	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	55	U	55	51.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	51	U	51	51.7	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	45	U	45	51.7	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45	U	45	51.7	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	43	U	43	51.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	51.7	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.605		15-120		20	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	8.393		10-130		21	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	7.386		10-150		18	SPK: -40
93951-73-6	2-Chlorophenol-d4	10.358		15-120		26	SPK: -40
190780-66-6	4-Methylphenol-d8	7.161		10-140		18	SPK: -40
4165-60-0	Nitrobenzene-d5	10.162		10-135		25	SPK: -40
93951-78-1	2-Nitrophenol-d4	11.667		10-120		29	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	10.01		10-140		25	SPK: -40
191656-33-4	4-Chloroaniline-d4	7.269		1-145		18	SPK: -40
85448-30-2	Dimethylphthalate-d6	10.12		10-145		25	SPK: -40
93951-97-4	Acenaphthylene-d8	10.162		15-120		25	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.863		10-150		15	SPK: -40
81103-79-9	Fluorene-d10	10.633		20-140		27	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F08	SDG No.:	BM101424
Lab Sample ID:	P4239-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM048037.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	4.986		10-130		12	SPK: -40
1719-06-8	Anthracene-d10	9.839		10-150		25	SPK: -40
1718-52-1	Pyrene-d10	10.396		10-130		26	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.941		10-140		20	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	366119	7.787				
1146-65-2	Naphthalene-d8	1451980	10.575				
15067-26-2	Acenaphthene-d10	885996	14.421				
1517-22-2	Phenanthrene-d10	1807271	17.162				
1719-03-5	Chrysene-d12	1727772	21.386				
1520-96-3	Perylene-d12	2023602	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	97	J			15.774	
000057-10-3	n-Hexadecanoic acid	130	J			18.057	
E966796	Total Alkanes	58	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG7	SDG No.:	BM101424
Lab Sample ID:	P4239-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.6
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
BM048038.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	20	U	20	10.1	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	130	500	ug/Kg
110-86-1	Pyridine	66	U	66	250	500	ug/Kg
108-95-2	Phenol	54	U	54	130	500	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	52	U	52	130	500	ug/Kg
95-57-8	2-Chlorophenol	43	U	43	65	260	ug/Kg
95-48-7	2-Methylphenol	46	U	46	130	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41	U	41	130	500	ug/Kg
98-86-2	Acetophenone	58	U	58	130	500	ug/Kg
106-44-5	4-Methylphenol	49	U	49	130	500	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	44	U	44	65	260	ug/Kg
67-72-1	Hexachloroethane	35	U	35	65	260	ug/Kg
98-95-3	Nitrobenzene	55	U	55	65	260	ug/Kg
78-59-1	Isophorone	52	U	52	65	260	ug/Kg
88-75-5	2-Nitrophenol	49	U	49	65	260	ug/Kg
105-67-9	2,4-Dimethylphenol	43	U	43	65	260	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	58	U	58	65	260	ug/Kg
120-83-2	2,4-Dichlorophenol	60	U	60	65	260	ug/Kg
91-20-3	Naphthalene	52	U	52	65	260	ug/Kg
106-47-8	4-Chloroaniline	66	U	66	65	500	ug/Kg
87-68-3	Hexachlorobutadiene	52	U	52	65	260	ug/Kg
105-60-2	Caprolactam	180	U	180	130	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	43	U	43	65	260	ug/Kg
90-12-0	1-Methylnaphthalene	63	U	63	65	260	ug/Kg
91-57-6	2-Methylnaphthalene	57	U	57	65	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	130	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	66	U	66	65	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64	U	64	65	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG7	SDG No.:	BM101424
Lab Sample ID:	P4239-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.6
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
BM048038.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	73	U	73	65	260	ug/Kg
91-58-7	2-Chloronaphthalene	69	U	69	65	260	ug/Kg
88-74-4	2-Nitroaniline	34	U	34	65	260	ug/Kg
131-11-3	Dimethylphthalate	64	U	64	65	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	32	U	32	65	260	ug/Kg
208-96-8	Acenaphthylene	66	U	66	65	260	ug/Kg
99-09-2	3-Nitroaniline	31	U	31	130	500	ug/Kg
83-32-9	Acenaphthene	63	U	63	65	260	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	130	500	ug/Kg
100-02-7	4-Nitrophenol	63	U	63	130	500	ug/Kg
132-64-9	Dibenzofuran	70	U	70	65	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	41	U	41	65	260	ug/Kg
84-66-2	Diethylphthalate	92	U	92	65	260	ug/Kg
86-73-7	Fluorene	69	U	69	65	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	72	U	72	65	260	ug/Kg
100-01-6	4-Nitroaniline	64	U	64	130	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	24	130	500	ug/Kg
86-30-6	N-Nitrosodiphenylamine	64	U	64	65	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	78	U	78	65	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69	U	69	65	260	ug/Kg
118-74-1	Hexachlorobenzene	76	U	76	65	260	ug/Kg
1912-24-9	Atrazine	60	U	60	130	500	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	130	500	ug/Kg
85-01-8	Phenanthrene	67	U	67	65	260	ug/Kg
608-93-5	Pentachlorobenzene	78	U	78	65	260	ug/Kg
120-12-7	Anthracene	66	U	66	65	260	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	50	U	50	65	260	ug/Kg
86-74-8	Carbazole	69	U	69	130	500	ug/Kg
84-74-2	Di-n-butylphthalate	64	U	64	65	260	ug/Kg
206-44-0	Fluoranthene	67	U	67	130	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG7	SDG No.:	BM101424
Lab Sample ID:	P4239-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.6
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
BM048038.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	67	U	67	65	260	ug/Kg
85-68-7	Butylbenzylphthalate	49	U	49	65	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	35	U	35	130	500	ug/Kg
56-55-3	Benzo(a)anthracene	60	U	60	65	260	ug/Kg
218-01-9	Chrysene	69	U	69	65	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	67	U	67	65	260	ug/Kg
117-84-0	Di-n-octyl phthalate	52	U	52	130	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	64	U	64	65	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	69	U	69	65	260	ug/Kg
50-32-8	Benzo(a)pyrene	64	U	64	65	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	57	U	57	65	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57	U	57	65	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54	U	54	65	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57	U	57	65	260	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.128		15-120		39	SPK: -8
7291-22-7	Pyridine-d5	14.732		20-120		37	SPK: -40
4165-62-2	Phenol-d5	17.714		10-130		44	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	14.912		10-150		37	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.319		15-120		53	SPK: -40
190780-66-6	4-Methylphenol-d8	19.046		10-140		48	SPK: -40
4165-60-0	Nitrobenzene-d5	21.856		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.309		10-120		63	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.998		10-140		55	SPK: -40
191656-33-4	4-Chloroaniline-d4	19.358		1-145		48	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.453		10-145		54	SPK: -40
93951-97-4	Acenaphthylene-d8	21.937		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.87		10-150		37	SPK: -40
81103-79-9	Fluorene-d10	22.29		20-140		56	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4EG7	SDG No.:	BM101424
Lab Sample ID:	P4239-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.6
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
BM048038.D	1	10/3/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	13.784		10-130		34	SPK: -40
1719-06-8	Anthracene-d10	21.36		10-150		53	SPK: -40
1718-52-1	Pyrene-d10	23.695		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.431		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	388414	7.781				
1146-65-2	Naphthalene-d8	1538900	10.575				
15067-26-2	Acenaphthene-d10	925101	14.422				
1517-22-2	Phenanthrene-d10	1843250	17.163				
1719-03-5	Chrysene-d12	1754306	21.386				
1520-96-3	Perylene-d12	2077699	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	250	J			15.775	
000057-10-3	n-Hexadecanoic acid	190	J			18.057	
	unknown-01	130	J			18.463	
	(DEL) Alkane: Straight-Chain	120	J			21.062	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F13	SDG No.:	BM101424
Lab Sample ID:	P4238-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48
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
BM048039.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	25	U	25	12.7	130	ug/Kg
100-52-7	Benzaldehyde	140	U	140	160	630	ug/Kg
110-86-1	Pyridine	82	U	82	320	630	ug/Kg
108-95-2	Phenol	67	U	67	160	630	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	65	U	65	160	630	ug/Kg
95-57-8	2-Chlorophenol	54	U	54	81.5	330	ug/Kg
95-48-7	2-Methylphenol	58	U	58	160	630	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	52	U	52	160	630	ug/Kg
98-86-2	Acetophenone	73	U	73	160	630	ug/Kg
106-44-5	4-Methylphenol	61	U	61	160	630	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	56	U	56	81.5	330	ug/Kg
67-72-1	Hexachloroethane	44	U	44	81.5	330	ug/Kg
98-95-3	Nitrobenzene	69	U	69	81.5	330	ug/Kg
78-59-1	Isophorone	65	U	65	81.5	330	ug/Kg
88-75-5	2-Nitrophenol	61	U	61	81.5	330	ug/Kg
105-67-9	2,4-Dimethylphenol	54	U	54	81.5	330	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	73	U	73	81.5	330	ug/Kg
120-83-2	2,4-Dichlorophenol	75	U	75	81.5	330	ug/Kg
91-20-3	Naphthalene	65	U	65	81.5	330	ug/Kg
106-47-8	4-Chloroaniline	82	U	82	81.5	630	ug/Kg
87-68-3	Hexachlorobutadiene	65	U	65	81.5	330	ug/Kg
105-60-2	Caprolactam	230	U	230	160	630	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54	U	54	81.5	330	ug/Kg
90-12-0	1-Methylnaphthalene	79	U	79	81.5	330	ug/Kg
91-57-6	2-Methylnaphthalene	71	U	71	81.5	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	160	630	ug/Kg
88-06-2	2,4,6-Trichlorophenol	82	U	82	81.5	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	81	U	81	81.5	330	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F13	SDG No.:	BM101424
Lab Sample ID:	P4238-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48
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
BM048039.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	92	U	92	81.5	330	ug/Kg
91-58-7	2-Chloronaphthalene	86	U	86	81.5	330	ug/Kg
88-74-4	2-Nitroaniline	42	U	42	81.5	330	ug/Kg
131-11-3	Dimethylphthalate	81	U	81	81.5	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	40	U	40	81.5	330	ug/Kg
208-96-8	Acenaphthylene	82	U	82	81.5	330	ug/Kg
99-09-2	3-Nitroaniline	38	U	38	160	630	ug/Kg
83-32-9	Acenaphthene	79	U	79	81.5	330	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	160	630	ug/Kg
100-02-7	4-Nitrophenol	79	U	79	160	630	ug/Kg
132-64-9	Dibenzofuran	88	U	88	81.5	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	52	U	52	81.5	330	ug/Kg
84-66-2	Diethylphthalate	120	U	120	81.5	330	ug/Kg
86-73-7	Fluorene	86	U	86	81.5	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90	U	90	81.5	330	ug/Kg
100-01-6	4-Nitroaniline	81	U	81	160	630	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	31	U	31	160	630	ug/Kg
86-30-6	N-Nitrosodiphenylamine	81	U	81	81.5	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98	U	98	81.5	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86	U	86	81.5	330	ug/Kg
118-74-1	Hexachlorobenzene	96	U	96	81.5	330	ug/Kg
1912-24-9	Atrazine	75	U	75	160	630	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	160	630	ug/Kg
85-01-8	Phenanthrene	470		84	81.5	330	ug/Kg
608-93-5	Pentachlorobenzene	98	U	98	81.5	330	ug/Kg
120-12-7	Anthracene	110	J	82	81.5	330	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	63	U	63	81.5	330	ug/Kg
86-74-8	Carbazole	86	U	86	160	630	ug/Kg
84-74-2	Di-n-butylphthalate	81	U	81	81.5	330	ug/Kg
206-44-0	Fluoranthene	530		84	160	330	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F13	SDG No.:	BM101424
Lab Sample ID:	P4238-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048039.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	430		84	81.5	330	ug/Kg
85-68-7	Butylbenzylphthalate	61	U	61	81.5	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	44	U	44	160	630	ug/Kg
56-55-3	Benzo(a)anthracene	250	J	75	81.5	330	ug/Kg
218-01-9	Chrysene	260	J	86	81.5	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	92	J	84	81.5	330	ug/Kg
117-84-0	Di-n-octyl phthalate	65	U	65	160	630	ug/Kg
205-99-2	Benzo(b)fluoranthene	280	J	81	81.5	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	97	J	86	81.5	330	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	81	81.5	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	83	J	71	81.5	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	71	U	71	81.5	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67	U	67	81.5	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	71	U	71	81.5	330	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.739		15-120		22	SPK: -8
7291-22-7	Pyridine-d5	0.639	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	9.43		10-130		24	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	8.042		10-150		20	SPK: -40
93951-73-6	2-Chlorophenol-d4	11.271		15-120		28	SPK: -40
190780-66-6	4-Methylphenol-d8	8.964		10-140		22	SPK: -40
4165-60-0	Nitrobenzene-d5	11.128		10-135		28	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.677		10-120		32	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	11.224		10-140		28	SPK: -40
191656-33-4	4-Chloroaniline-d4	7.3		1-145		18	SPK: -40
85448-30-2	Dimethylphthalate-d6	11.033		10-145		28	SPK: -40
93951-97-4	Acenaphthylene-d8	11.235		15-120		28	SPK: -40
93951-79-2	4-Nitrophenol-d4	6.994		10-150		17	SPK: -40
81103-79-9	Fluorene-d10	11.546		20-140		29	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F13	SDG No.:	BM101424
Lab Sample ID:	P4238-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48
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
BM048039.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	5.442		10-130		14	SPK: -40
1719-06-8	Anthracene-d10	11.19		10-150		28	SPK: -40
1718-52-1	Pyrene-d10	11.068		10-130		28	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	8.824		10-140		22	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	289992	7.781				
1146-65-2	Naphthalene-d8	1142545	10.575				
15067-26-2	Acenaphthene-d10	695564	14.422				
1517-22-2	Phenanthrene-d10	1430987	17.163				
1719-03-5	Chrysene-d12	1467374	21.386				
1520-96-3	Perylene-d12	1738962	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	220	J			15.774	
000057-10-3	n-Hexadecanoic acid	210	J			18.051	
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J			18.227	
E966796	Total Alkanes	92	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F18	SDG No.:	BM101424
Lab Sample ID:	P4238-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	44.3
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
BM048040.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	23	U	23	11.8	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	150	590	ug/Kg
110-86-1	Pyridine	77	U	77	300	590	ug/Kg
108-95-2	Phenol	63	U	63	150	590	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	61	U	61	150	590	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	76.3	310	ug/Kg
95-48-7	2-Methylphenol	54	U	54	150	590	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	150	590	ug/Kg
98-86-2	Acetophenone	68	U	68	150	590	ug/Kg
106-44-5	4-Methylphenol	57	U	57	150	590	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	52	U	52	76.3	310	ug/Kg
67-72-1	Hexachloroethane	41	U	41	76.3	310	ug/Kg
98-95-3	Nitrobenzene	65	U	65	76.3	310	ug/Kg
78-59-1	Isophorone	61	U	61	76.3	310	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	76.3	310	ug/Kg
105-67-9	2,4-Dimethylphenol	50	U	50	76.3	310	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	68	U	68	76.3	310	ug/Kg
120-83-2	2,4-Dichlorophenol	70	U	70	76.3	310	ug/Kg
91-20-3	Naphthalene	61	U	61	76.3	310	ug/Kg
106-47-8	4-Chloroaniline	77	U	77	76.3	590	ug/Kg
87-68-3	Hexachlorobutadiene	61	U	61	76.3	310	ug/Kg
105-60-2	Caprolactam	220	U	220	150	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	76.3	310	ug/Kg
90-12-0	1-Methylnaphthalene	74	U	74	76.3	310	ug/Kg
91-57-6	2-Methylnaphthalene	66	U	66	76.3	310	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	150	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	76.3	310	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75	U	75	76.3	310	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F18	SDG No.:	BM101424
Lab Sample ID:	P4238-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	44.3
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
BM048040.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	86	U	86	76.3	310	ug/Kg
91-58-7	2-Chloronaphthalene	81	U	81	76.3	310	ug/Kg
88-74-4	2-Nitroaniline	39	U	39	76.3	310	ug/Kg
131-11-3	Dimethylphthalate	75	U	75	76.3	310	ug/Kg
606-20-2	2,6-Dinitrotoluene	38	U	38	76.3	310	ug/Kg
208-96-8	Acenaphthylene	77	U	77	76.3	310	ug/Kg
99-09-2	3-Nitroaniline	36	U	36	150	590	ug/Kg
83-32-9	Acenaphthene	74	U	74	76.3	310	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	150	590	ug/Kg
100-02-7	4-Nitrophenol	74	U	74	150	590	ug/Kg
132-64-9	Dibenzofuran	83	U	83	76.3	310	ug/Kg
121-14-2	2,4-Dinitrotoluene	48	U	48	76.3	310	ug/Kg
84-66-2	Diethylphthalate	110	U	110	76.3	310	ug/Kg
86-73-7	Fluorene	81	U	81	76.3	310	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	84	U	84	76.3	310	ug/Kg
100-01-6	4-Nitroaniline	75	U	75	150	590	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	29	U	29	150	590	ug/Kg
86-30-6	N-Nitrosodiphenylamine	75	U	75	76.3	310	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	92	U	92	76.3	310	ug/Kg
101-55-3	4-Bromophenyl-phenylether	81	U	81	76.3	310	ug/Kg
118-74-1	Hexachlorobenzene	90	U	90	76.3	310	ug/Kg
1912-24-9	Atrazine	70	U	70	150	590	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	150	590	ug/Kg
85-01-8	Phenanthrene	120	J	79	76.3	310	ug/Kg
608-93-5	Pentachlorobenzene	92	U	92	76.3	310	ug/Kg
120-12-7	Anthracene	77	U	77	76.3	310	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	59	U	59	76.3	310	ug/Kg
86-74-8	Carbazole	81	U	81	150	590	ug/Kg
84-74-2	Di-n-butylphthalate	75	U	75	76.3	310	ug/Kg
206-44-0	Fluoranthene	240	J	79	150	310	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F18	SDG No.:	BM101424
Lab Sample ID:	P4238-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	44.3
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
BM048040.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	180	J	79	76.3	310	ug/Kg
85-68-7	Butylbenzylphthalate	57	U	57	76.3	310	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41	U	41	150	590	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	70	76.3	310	ug/Kg
218-01-9	Chrysene	140	J	81	76.3	310	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	J	79	76.3	310	ug/Kg
117-84-0	Di-n-octyl phthalate	61	U	61	150	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	J	75	76.3	310	ug/Kg
207-08-9	Benzo(k)fluoranthene	81	U	81	76.3	310	ug/Kg
50-32-8	Benzo(a)pyrene	75	U	75	76.3	310	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	66	U	66	76.3	310	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66	U	66	76.3	310	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63	U	63	76.3	310	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	66	U	66	76.3	310	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.012		15-120		25	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	10.868		10-130		27	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	9.174		10-150		23	SPK: -40
93951-73-6	2-Chlorophenol-d4	12.889		15-120		32	SPK: -40
190780-66-6	4-Methylphenol-d8	9.996		10-140		25	SPK: -40
4165-60-0	Nitrobenzene-d5	12.434		10-135		31	SPK: -40
93951-78-1	2-Nitrophenol-d4	14.006		10-120		35	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	12.716		10-140		32	SPK: -40
191656-33-4	4-Chloroaniline-d4	8.991		1-145		22	SPK: -40
85448-30-2	Dimethylphthalate-d6	12.762		10-145		32	SPK: -40
93951-97-4	Acenaphthylene-d8	12.941		15-120		32	SPK: -40
93951-79-2	4-Nitrophenol-d4	8.553		10-150		21	SPK: -40
81103-79-9	Fluorene-d10	13.526		20-140		34	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F18	SDG No.:	BM101424
Lab Sample ID:	P4238-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	44.3
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
BM048040.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	6.127		10-130		15	SPK: -40
1719-06-8	Anthracene-d10	12.969		10-150		32	SPK: -40
1718-52-1	Pyrene-d10	12.835		10-130		32	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	9.789		10-140		24	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	237801	7.781				
1146-65-2	Naphthalene-d8	942758	10.575				
15067-26-2	Acenaphthene-d10	583761	14.421				
1517-22-2	Phenanthrene-d10	1233714	17.162				
1719-03-5	Chrysene-d12	1273501	21.386				
1520-96-3	Perylene-d12	1485565	24.386				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	230	J			15.774	
007012-37-5	1,1-Biphenyl, 2,4,4-trichloro-	200	J			17.762	
000057-10-3	n-Hexadecanoic acid	230	J			18.057	
035693-99-3	1,1-Biphenyl, 2,2,5,5-tetrachlo	200	J			18.227	
070362-47-9	2,2,4,5-Tetrachloro-1,1-biphenyl	150	J			18.515	
	(DEL) Alkane: Straight-Chain21.062	170	J			21.062	
E966796	Total Alkanes	170				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY6	SDG No.:	BM101424
Lab Sample ID:	P4238-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.4
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
BM048041.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	10.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	130	530	ug/Kg
110-86-1	Pyridine	70	U	70	270	530	ug/Kg
108-95-2	Phenol	57	U	57	130	530	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	55	U	55	130	530	ug/Kg
95-57-8	2-Chlorophenol	45	U	45	68.8	280	ug/Kg
95-48-7	2-Methylphenol	49	U	49	130	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44	U	44	130	530	ug/Kg
98-86-2	Acetophenone	61	U	61	130	530	ug/Kg
106-44-5	4-Methylphenol	52	U	52	130	530	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	47	U	47	68.8	280	ug/Kg
67-72-1	Hexachloroethane	37	U	37	68.8	280	ug/Kg
98-95-3	Nitrobenzene	58	U	58	68.8	280	ug/Kg
78-59-1	Isophorone	55	U	55	68.8	280	ug/Kg
88-75-5	2-Nitrophenol	52	U	52	68.8	280	ug/Kg
105-67-9	2,4-Dimethylphenol	45	U	45	68.8	280	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	61	U	61	68.8	280	ug/Kg
120-83-2	2,4-Dichlorophenol	63	U	63	68.8	280	ug/Kg
91-20-3	Naphthalene	55	U	55	68.8	280	ug/Kg
106-47-8	4-Chloroaniline	70	U	70	68.8	530	ug/Kg
87-68-3	Hexachlorobutadiene	55	U	55	68.8	280	ug/Kg
105-60-2	Caprolactam	190	U	190	130	530	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45	U	45	68.8	280	ug/Kg
90-12-0	1-Methylnaphthalene	66	U	66	68.8	280	ug/Kg
91-57-6	2-Methylnaphthalene	60	U	60	68.8	280	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	130	530	ug/Kg
88-06-2	2,4,6-Trichlorophenol	70	U	70	68.8	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68	U	68	68.8	280	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY6	SDG No.:	BM101424
Lab Sample ID:	P4238-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.4
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
BM048041.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	78	U	78	68.8	280	ug/Kg
91-58-7	2-Chloronaphthalene	73	U	73	68.8	280	ug/Kg
88-74-4	2-Nitroaniline	36	U	36	68.8	280	ug/Kg
131-11-3	Dimethylphthalate	68	U	68	68.8	280	ug/Kg
606-20-2	2,6-Dinitrotoluene	34	U	34	68.8	280	ug/Kg
208-96-8	Acenaphthylene	70	U	70	68.8	280	ug/Kg
99-09-2	3-Nitroaniline	32	U	32	130	530	ug/Kg
83-32-9	Acenaphthene	66	U	66	68.8	280	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	130	530	ug/Kg
100-02-7	4-Nitrophenol	66	U	66	130	530	ug/Kg
132-64-9	Dibenzofuran	74	U	74	68.8	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	44	U	44	68.8	280	ug/Kg
84-66-2	Diethylphthalate	97	U	97	68.8	280	ug/Kg
86-73-7	Fluorene	73	U	73	68.8	280	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	76	U	76	68.8	280	ug/Kg
100-01-6	4-Nitroaniline	68	U	68	130	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	130	530	ug/Kg
86-30-6	N-Nitrosodiphenylamine	68	U	68	68.8	280	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	83	U	83	68.8	280	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73	U	73	68.8	280	ug/Kg
118-74-1	Hexachlorobenzene	81	U	81	68.8	280	ug/Kg
1912-24-9	Atrazine	63	U	63	130	530	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	130	530	ug/Kg
85-01-8	Phenanthrene	71	U	71	68.8	280	ug/Kg
608-93-5	Pentachlorobenzene	83	U	83	68.8	280	ug/Kg
120-12-7	Anthracene	70	U	70	68.8	280	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	53	U	53	68.8	280	ug/Kg
86-74-8	Carbazole	73	U	73	130	530	ug/Kg
84-74-2	Di-n-butylphthalate	68	U	68	68.8	280	ug/Kg
206-44-0	Fluoranthene	71	J	71	130	280	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY6	SDG No.:	BM101424
Lab Sample ID:	P4238-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.4
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
BM048041.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	71	U	71	68.8	280	ug/Kg
85-68-7	Butylbenzylphthalate	52	U	52	68.8	280	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37	U	37	130	530	ug/Kg
56-55-3	Benzo(a)anthracene	63	U	63	68.8	280	ug/Kg
218-01-9	Chrysene	73	U	73	68.8	280	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	71	U	71	68.8	280	ug/Kg
117-84-0	Di-n-octyl phthalate	55	U	55	130	530	ug/Kg
205-99-2	Benzo(b)fluoranthene	68	U	68	68.8	280	ug/Kg
207-08-9	Benzo(k)fluoranthene	73	U	73	68.8	280	ug/Kg
50-32-8	Benzo(a)pyrene	68	U	68	68.8	280	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	60	U	60	68.8	280	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60	U	60	68.8	280	ug/Kg
191-24-2	Benzo(g,h,i)perylene	57	U	57	68.8	280	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60	U	60	68.8	280	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.845		15-120		23	SPK: -8
7291-22-7	Pyridine-d5	7.922		20-120		20	SPK: -40
4165-62-2	Phenol-d5	10.314		10-130		26	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	8.485		10-150		21	SPK: -40
93951-73-6	2-Chlorophenol-d4	12.291		15-120		31	SPK: -40
190780-66-6	4-Methylphenol-d8	11.249		10-140		28	SPK: -40
4165-60-0	Nitrobenzene-d5	12.227		10-135		31	SPK: -40
93951-78-1	2-Nitrophenol-d4	14.347		10-120		36	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	12.809		10-140		32	SPK: -40
191656-33-4	4-Chloroaniline-d4	10.666		1-145		27	SPK: -40
85448-30-2	Dimethylphthalate-d6	13.306		10-145		33	SPK: -40
93951-97-4	Acenaphthylene-d8	13.204		15-120		33	SPK: -40
93951-79-2	4-Nitrophenol-d4	7.275		10-150		18	SPK: -40
81103-79-9	Fluorene-d10	13.938		20-140		35	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY6	SDG No.:	BM101424
Lab Sample ID:	P4238-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.4
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
BM048041.D	1	10/2/2024 12:00:00 AM	10/14/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	7.085		10-130		18	SPK: -40
1719-06-8	Anthracene-d10	13.714		10-150		34	SPK: -40
1718-52-1	Pyrene-d10	14.766		10-130		37	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	14.692		10-140		37	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	293756	7.781				
1146-65-2	Naphthalene-d8	1164061	10.575				
15067-26-2	Acenaphthene-d10	717702	14.421				
1517-22-2	Phenanthrene-d10	1452740	17.162				
1719-03-5	Chrysene-d12	1430815	21.386				
1520-96-3	Perylene-d12	1677911	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	180	J			15.774	
000057-10-3	n-Hexadecanoic acid	180	J			18.051	
	(DEL) Alkane: Straight-Chain	21.062	J			21.062	
E966796	Total Alkanes	140				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F02	SDG No.:	BM101424
Lab Sample ID:	P4238-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	42.4
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
BM048042.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	23	U	23	11.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	140	570	ug/Kg
110-86-1	Pyridine	75	U	75	290	570	ug/Kg
108-95-2	Phenol	61	U	61	140	570	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	59	U	59	140	570	ug/Kg
95-57-8	2-Chlorophenol	49	U	49	73.8	300	ug/Kg
95-48-7	2-Methylphenol	52	U	52	140	570	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	47	U	47	140	570	ug/Kg
98-86-2	Acetophenone	66	U	66	140	570	ug/Kg
106-44-5	4-Methylphenol	56	U	56	140	570	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	50	U	50	73.8	300	ug/Kg
67-72-1	Hexachloroethane	40	U	40	73.8	300	ug/Kg
98-95-3	Nitrobenzene	63	U	63	73.8	300	ug/Kg
78-59-1	Isophorone	59	U	59	73.8	300	ug/Kg
88-75-5	2-Nitrophenol	56	U	56	73.8	300	ug/Kg
105-67-9	2,4-Dimethylphenol	49	U	49	73.8	300	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	66	U	66	73.8	300	ug/Kg
120-83-2	2,4-Dichlorophenol	68	U	68	73.8	300	ug/Kg
91-20-3	Naphthalene	59	U	59	73.8	300	ug/Kg
106-47-8	4-Chloroaniline	75	U	75	73.8	570	ug/Kg
87-68-3	Hexachlorobutadiene	59	U	59	73.8	300	ug/Kg
105-60-2	Caprolactam	210	U	210	140	570	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	73.8	300	ug/Kg
90-12-0	1-Methylnaphthalene	71	U	71	73.8	300	ug/Kg
91-57-6	2-Methylnaphthalene	64	U	64	73.8	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	140	570	ug/Kg
88-06-2	2,4,6-Trichlorophenol	75	U	75	73.8	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73	U	73	73.8	300	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F02	SDG No.:	BM101424
Lab Sample ID:	P4238-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	42.4
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
BM048042.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	83	U	83	73.8	300	ug/Kg
91-58-7	2-Chloronaphthalene	78	U	78	73.8	300	ug/Kg
88-74-4	2-Nitroaniline	38	U	38	73.8	300	ug/Kg
131-11-3	Dimethylphthalate	73	U	73	73.8	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	36	U	36	73.8	300	ug/Kg
208-96-8	Acenaphthylene	75	U	75	73.8	300	ug/Kg
99-09-2	3-Nitroaniline	35	U	35	140	570	ug/Kg
83-32-9	Acenaphthene	71	U	71	73.8	300	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	140	570	ug/Kg
100-02-7	4-Nitrophenol	71	U	71	140	570	ug/Kg
132-64-9	Dibenzofuran	80	U	80	73.8	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	47	U	47	73.8	300	ug/Kg
84-66-2	Diethylphthalate	100	U	100	73.8	300	ug/Kg
86-73-7	Fluorene	78	U	78	73.8	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	82	U	82	73.8	300	ug/Kg
100-01-6	4-Nitroaniline	73	U	73	140	570	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	28	U	28	140	570	ug/Kg
86-30-6	N-Nitrosodiphenylamine	73	U	73	73.8	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89	U	89	73.8	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78	U	78	73.8	300	ug/Kg
118-74-1	Hexachlorobenzene	87	U	87	73.8	300	ug/Kg
1912-24-9	Atrazine	68	U	68	140	570	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	140	570	ug/Kg
85-01-8	Phenanthrene	190	J	76	73.8	300	ug/Kg
608-93-5	Pentachlorobenzene	89	U	89	73.8	300	ug/Kg
120-12-7	Anthracene	75	U	75	73.8	300	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	57	U	57	73.8	300	ug/Kg
86-74-8	Carbazole	78	U	78	140	570	ug/Kg
84-74-2	Di-n-butylphthalate	73	U	73	73.8	300	ug/Kg
206-44-0	Fluoranthene	330		76	140	300	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F02	SDG No.:	BM101424
Lab Sample ID:	P4238-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	42.4
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
BM048042.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	220	J	76	73.8	300	ug/Kg
85-68-7	Butylbenzylphthalate	56	U	56	73.8	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	40	U	40	140	570	ug/Kg
56-55-3	Benzo(a)anthracene	150	J	68	73.8	300	ug/Kg
218-01-9	Chrysene	170	J	78	73.8	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	390		76	73.8	300	ug/Kg
117-84-0	Di-n-octyl phthalate	59	U	59	140	570	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	J	73	73.8	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	78	U	78	73.8	300	ug/Kg
50-32-8	Benzo(a)pyrene	79	J	73	73.8	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64	U	64	73.8	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64	U	64	73.8	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61	U	61	73.8	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	64	U	64	73.8	300	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.108	*	15-120		14	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	5.863		10-130		15	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	4.6		10-150		11	SPK: -40
93951-73-6	2-Chlorophenol-d4	6.815		15-120		17	SPK: -40
190780-66-6	4-Methylphenol-d8	4.51		10-140		11	SPK: -40
4165-60-0	Nitrobenzene-d5	6.507		10-135		16	SPK: -40
93951-78-1	2-Nitrophenol-d4	7.325		10-120		18	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	6.836		10-140		17	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.879		1-145		7	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.431		10-145		19	SPK: -40
93951-97-4	Acenaphthylene-d8	7.225		15-120		18	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.161		10-150		10	SPK: -40
81103-79-9	Fluorene-d10	7.956		20-140		20	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F02	SDG No.:	BM101424
Lab Sample ID:	P4238-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	42.4
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
BM048042.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.639	*	10-130		9	SPK: -40
1719-06-8	Anthracene-d10	8.185		10-150		20	SPK: -40
1718-52-1	Pyrene-d10	7.666		10-130		19	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	5.757		10-140		14	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	238320	7.781				
1146-65-2	Naphthalene-d8	928319	10.574				
15067-26-2	Acenaphthene-d10	563311	14.421				
1517-22-2	Phenanthrene-d10	1144607	17.156				
1719-03-5	Chrysene-d12	1174974	21.386				
1520-96-3	Perylene-d12	1390780	24.379				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	130	J			18.051	
E966796	Total Alkanes	83	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F06	SDG No.:	BM101424
Lab Sample ID:	P4238-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
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
BM048043.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	22	U	22	10.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	140	550	ug/Kg
110-86-1	Pyridine	71	U	71	270	550	ug/Kg
108-95-2	Phenol	58	U	58	140	550	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	56	U	56	140	550	ug/Kg
95-57-8	2-Chlorophenol	46	U	46	70.4	280	ug/Kg
95-48-7	2-Methylphenol	50	U	50	140	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	45	U	45	140	550	ug/Kg
98-86-2	Acetophenone	63	U	63	140	550	ug/Kg
106-44-5	4-Methylphenol	53	U	53	140	550	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	48	U	48	70.4	280	ug/Kg
67-72-1	Hexachloroethane	38	U	38	70.4	280	ug/Kg
98-95-3	Nitrobenzene	60	U	60	70.4	280	ug/Kg
78-59-1	Isophorone	56	U	56	70.4	280	ug/Kg
88-75-5	2-Nitrophenol	53	U	53	70.4	280	ug/Kg
105-67-9	2,4-Dimethylphenol	46	U	46	70.4	280	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	63	U	63	70.4	280	ug/Kg
120-83-2	2,4-Dichlorophenol	65	U	65	70.4	280	ug/Kg
91-20-3	Naphthalene	56	U	56	70.4	280	ug/Kg
106-47-8	4-Chloroaniline	71	U	71	70.4	550	ug/Kg
87-68-3	Hexachlorobutadiene	56	U	56	70.4	280	ug/Kg
105-60-2	Caprolactam	200	U	200	140	550	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46	U	46	70.4	280	ug/Kg
90-12-0	1-Methylnaphthalene	68	U	68	70.4	280	ug/Kg
91-57-6	2-Methylnaphthalene	61	U	61	70.4	280	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	140	550	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71	U	71	70.4	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	70	U	70	70.4	280	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F06	SDG No.:	BM101424
Lab Sample ID:	P4238-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
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
BM048043.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	79	U	79	70.4	280	ug/Kg
91-58-7	2-Chloronaphthalene	75	U	75	70.4	280	ug/Kg
88-74-4	2-Nitroaniline	36	U	36	70.4	280	ug/Kg
131-11-3	Dimethylphthalate	70	U	70	70.4	280	ug/Kg
606-20-2	2,6-Dinitrotoluene	35	U	35	70.4	280	ug/Kg
208-96-8	Acenaphthylene	71	U	71	70.4	280	ug/Kg
99-09-2	3-Nitroaniline	33	U	33	140	550	ug/Kg
83-32-9	Acenaphthene	68	U	68	70.4	280	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	140	550	ug/Kg
100-02-7	4-Nitrophenol	68	U	68	140	550	ug/Kg
132-64-9	Dibenzofuran	76	U	76	70.4	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	45	U	45	70.4	280	ug/Kg
84-66-2	Diethylphthalate	99	U	99	70.4	280	ug/Kg
86-73-7	Fluorene	75	U	75	70.4	280	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	78	U	78	70.4	280	ug/Kg
100-01-6	4-Nitroaniline	70	U	70	140	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	140	550	ug/Kg
86-30-6	N-Nitrosodiphenylamine	70	U	70	70.4	280	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	84	U	84	70.4	280	ug/Kg
101-55-3	4-Bromophenyl-phenylether	75	U	75	70.4	280	ug/Kg
118-74-1	Hexachlorobenzene	83	U	83	70.4	280	ug/Kg
1912-24-9	Atrazine	65	U	65	140	550	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	140	550	ug/Kg
85-01-8	Phenanthrene	160	J	73	70.4	280	ug/Kg
608-93-5	Pentachlorobenzene	84	U	84	70.4	280	ug/Kg
120-12-7	Anthracene	71	U	71	70.4	280	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	55	U	55	70.4	280	ug/Kg
86-74-8	Carbazole	75	U	75	140	550	ug/Kg
84-74-2	Di-n-butylphthalate	70	U	70	70.4	280	ug/Kg
206-44-0	Fluoranthene	290		73	140	280	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F06	SDG No.:	BM101424
Lab Sample ID:	P4238-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
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
BM048043.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	200	J	73	70.4	280	ug/Kg
85-68-7	Butylbenzylphthalate	53	U	53	70.4	280	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38	U	38	140	550	ug/Kg
56-55-3	Benzo(a)anthracene	140	J	65	70.4	280	ug/Kg
218-01-9	Chrysene	140	J	75	70.4	280	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	73	70.4	280	ug/Kg
117-84-0	Di-n-octyl phthalate	56	U	56	140	550	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	70	70.4	280	ug/Kg
207-08-9	Benzo(k)fluoranthene	75	U	75	70.4	280	ug/Kg
50-32-8	Benzo(a)pyrene	74	J	70	70.4	280	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	61	U	61	70.4	280	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61	U	61	70.4	280	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58	U	58	70.4	280	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61	U	61	70.4	280	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.659		15-120		21	SPK: -8
7291-22-7	Pyridine-d5	1.195	*	20-120		3	SPK: -40
4165-62-2	Phenol-d5	9.609		10-130		24	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	7.837		10-150		20	SPK: -40
93951-73-6	2-Chlorophenol-d4	11.303		15-120		28	SPK: -40
190780-66-6	4-Methylphenol-d8	8.284		10-140		21	SPK: -40
4165-60-0	Nitrobenzene-d5	10.906		10-135		27	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.719		10-120		32	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	11.326		10-140		28	SPK: -40
191656-33-4	4-Chloroaniline-d4	4.91		1-145		12	SPK: -40
85448-30-2	Dimethylphthalate-d6	11.967		10-145		30	SPK: -40
93951-97-4	Acenaphthylene-d8	11.806		15-120		30	SPK: -40
93951-79-2	4-Nitrophenol-d4	6.118		10-150		15	SPK: -40
81103-79-9	Fluorene-d10	12.722		20-140		32	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F06	SDG No.:	BM101424
Lab Sample ID:	P4238-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	39.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
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
BM048043.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	5.627		10-130		14	SPK: -40
1719-06-8	Anthracene-d10	12.403		10-150		31	SPK: -40
1718-52-1	Pyrene-d10	12.344		10-130		31	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	9.134		10-140		23	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	255485	7.781				
1146-65-2	Naphthalene-d8	1004985	10.575				
15067-26-2	Acenaphthene-d10	608425	14.421				
1517-22-2	Phenanthrene-d10	1232464	17.156				
1719-03-5	Chrysene-d12	1186874	21.386				
1520-96-3	Perylene-d12	1400963	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	A			4.904	
000119-61-9	Benzophenone	120	J			15.774	
000057-10-3	n-Hexadecanoic acid	190	J			18.051	
	(DEL) Alkane: Straight-Chain	21.062	J			21.062	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F07	SDG No.:	BM101424
Lab Sample ID:	P4238-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
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
BM048044.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	26	U	26	13.2	130	ug/Kg
100-52-7	Benzaldehyde	150	U	150	160	660	ug/Kg
110-86-1	Pyridine	86	U	86	330	660	ug/Kg
108-95-2	Phenol	70	U	70	160	660	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	68	U	68	160	660	ug/Kg
95-57-8	2-Chlorophenol	56	U	56	84.9	340	ug/Kg
95-48-7	2-Methylphenol	60	U	60	160	660	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54	U	54	160	660	ug/Kg
98-86-2	Acetophenone	76	U	76	160	660	ug/Kg
106-44-5	4-Methylphenol	64	U	64	160	660	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	58	U	58	84.9	340	ug/Kg
67-72-1	Hexachloroethane	46	U	46	84.9	340	ug/Kg
98-95-3	Nitrobenzene	72	U	72	84.9	340	ug/Kg
78-59-1	Isophorone	68	U	68	84.9	340	ug/Kg
88-75-5	2-Nitrophenol	64	U	64	84.9	340	ug/Kg
105-67-9	2,4-Dimethylphenol	56	U	56	84.9	340	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	76	U	76	84.9	340	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	84.9	340	ug/Kg
91-20-3	Naphthalene	68	U	68	84.9	340	ug/Kg
106-47-8	4-Chloroaniline	86	U	86	84.9	660	ug/Kg
87-68-3	Hexachlorobutadiene	68	U	68	84.9	340	ug/Kg
105-60-2	Caprolactam	240	U	240	160	660	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56	U	56	84.9	340	ug/Kg
90-12-0	1-Methylnaphthalene	82	U	82	84.9	340	ug/Kg
91-57-6	2-Methylnaphthalene	74	U	74	84.9	340	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	160	660	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86	U	86	84.9	340	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84	U	84	84.9	340	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F07	SDG No.:	BM101424
Lab Sample ID:	P4238-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
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
BM048044.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	96	U	96	84.9	340	ug/Kg
91-58-7	2-Chloronaphthalene	90	U	90	84.9	340	ug/Kg
88-74-4	2-Nitroaniline	44	U	44	84.9	340	ug/Kg
131-11-3	Dimethylphthalate	84	U	84	84.9	340	ug/Kg
606-20-2	2,6-Dinitrotoluene	42	U	42	84.9	340	ug/Kg
208-96-8	Acenaphthylene	86	U	86	84.9	340	ug/Kg
99-09-2	3-Nitroaniline	40	U	40	160	660	ug/Kg
83-32-9	Acenaphthene	82	U	82	84.9	340	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	160	660	ug/Kg
100-02-7	4-Nitrophenol	82	U	82	160	660	ug/Kg
132-64-9	Dibenzofuran	92	U	92	84.9	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	54	U	54	84.9	340	ug/Kg
84-66-2	Diethylphthalate	120	U	120	84.9	340	ug/Kg
86-73-7	Fluorene	90	U	90	84.9	340	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94	U	94	84.9	340	ug/Kg
100-01-6	4-Nitroaniline	84	U	84	160	660	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	32	U	32	160	660	ug/Kg
86-30-6	N-Nitrosodiphenylamine	84	U	84	84.9	340	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	84.9	340	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90	U	90	84.9	340	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	84.9	340	ug/Kg
1912-24-9	Atrazine	78	U	78	160	660	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	160	660	ug/Kg
85-01-8	Phenanthrene	310	J	88	84.9	340	ug/Kg
608-93-5	Pentachlorobenzene	100	U	100	84.9	340	ug/Kg
120-12-7	Anthracene	86	U	86	84.9	340	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	66	U	66	84.9	340	ug/Kg
86-74-8	Carbazole	90	U	90	160	660	ug/Kg
84-74-2	Di-n-butylphthalate	84	U	84	84.9	340	ug/Kg
206-44-0	Fluoranthene	770		88	160	340	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F07	SDG No.:	BM101424
Lab Sample ID:	P4238-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048044.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	490		88	84.9	340	ug/Kg
85-68-7	Butylbenzylphthalate	64	U	64	84.9	340	ug/Kg
91-94-1	3,3-Dichlorobenzidine	46	U	46	160	660	ug/Kg
56-55-3	Benzo(a)anthracene	320	J	78	84.9	340	ug/Kg
218-01-9	Chrysene	410		90	84.9	340	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	240	J	88	84.9	340	ug/Kg
117-84-0	Di-n-octyl phthalate	68	U	68	160	660	ug/Kg
205-99-2	Benzo(b)fluoranthene	550		84	84.9	340	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	J	90	84.9	340	ug/Kg
50-32-8	Benzo(a)pyrene	190	J	84	84.9	340	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	74	84.9	340	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	74	U	74	84.9	340	ug/Kg
191-24-2	Benzo(g,h,i)perylene	70	U	70	84.9	340	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74	U	74	84.9	340	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.195		15-120		15	SPK: -8
7291-22-7	Pyridine-d5	0.532	*	20-120		1	SPK: -40
4165-62-2	Phenol-d5	5.006		10-130		13	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	4.493		10-150		11	SPK: -40
93951-73-6	2-Chlorophenol-d4	6.129		15-120		15	SPK: -40
190780-66-6	4-Methylphenol-d8	3.157	*	10-140		8	SPK: -40
4165-60-0	Nitrobenzene-d5	6.305		10-135		16	SPK: -40
93951-78-1	2-Nitrophenol-d4	7.186		10-120		18	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	6.181		10-140		15	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.399		1-145		3	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.15		10-145		18	SPK: -40
93951-97-4	Acenaphthylene-d8	7.034		15-120		18	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.253		10-150		11	SPK: -40
81103-79-9	Fluorene-d10	7.51	*	20-140		19	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4F07	SDG No.:	BM101424
Lab Sample ID:	P4238-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
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
BM048044.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.659	*	10-130		9	SPK: -40
1719-06-8	Anthracene-d10	7.568		10-150		19	SPK: -40
1718-52-1	Pyrene-d10	7.218		10-130		18	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	5.352		10-140		13	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	284611	7.781				
1146-65-2	Naphthalene-d8	1085781	10.575				
15067-26-2	Acenaphthene-d10	637831	14.421				
1517-22-2	Phenanthrene-d10	1261418	17.157				
1719-03-5	Chrysene-d12	1253064	21.386				
1520-96-3	Perylene-d12	1499262	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	210	J			18.051	
1000406-04-8	Pentadecafluorooctanoic acid, octa	170	J			21.062	
	(DEL) Alkane: Straight-Chain22.139	230	J			22.139	
E966796	Total Alkanes	230				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EQ8	SDG No.:	BM101424
Lab Sample ID:	P4238-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.3
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
BM048045.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	18	U	18	9.3	94	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	470	ug/Kg
110-86-1	Pyridine	61	U	61	230	470	ug/Kg
108-95-2	Phenol	49	U	49	120	470	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	48	U	48	120	470	ug/Kg
95-57-8	2-Chlorophenol	39	U	39	59.9	240	ug/Kg
95-48-7	2-Methylphenol	42	U	42	120	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38	U	38	120	470	ug/Kg
98-86-2	Acetophenone	54	U	54	120	470	ug/Kg
106-44-5	4-Methylphenol	45	U	45	120	470	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	41	U	41	59.9	240	ug/Kg
67-72-1	Hexachloroethane	32	U	32	59.9	240	ug/Kg
98-95-3	Nitrobenzene	51	U	51	59.9	240	ug/Kg
78-59-1	Isophorone	48	U	48	59.9	240	ug/Kg
88-75-5	2-Nitrophenol	45	U	45	59.9	240	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	59.9	240	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	59.9	240	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	59.9	240	ug/Kg
91-20-3	Naphthalene	48	U	48	59.9	240	ug/Kg
106-47-8	4-Chloroaniline	61	U	61	59.9	470	ug/Kg
87-68-3	Hexachlorobutadiene	48	U	48	59.9	240	ug/Kg
105-60-2	Caprolactam	170	U	170	120	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	39	U	39	59.9	240	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	59.9	240	ug/Kg
91-57-6	2-Methylnaphthalene	52	U	52	59.9	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	120	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	61	U	61	59.9	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59	U	59	59.9	240	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EQ8	SDG No.:	BM101424
Lab Sample ID:	P4238-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.3
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
BM048045.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	68	U	68	59.9	240	ug/Kg
91-58-7	2-Chloronaphthalene	63	U	63	59.9	240	ug/Kg
88-74-4	2-Nitroaniline	31	U	31	59.9	240	ug/Kg
131-11-3	Dimethylphthalate	59	U	59	59.9	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	30	U	30	59.9	240	ug/Kg
208-96-8	Acenaphthylene	61	U	61	59.9	240	ug/Kg
99-09-2	3-Nitroaniline	28	U	28	120	470	ug/Kg
83-32-9	Acenaphthene	58	U	58	59.9	240	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	120	470	ug/Kg
100-02-7	4-Nitrophenol	58	U	58	120	470	ug/Kg
132-64-9	Dibenzofuran	65	U	65	59.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	38	U	38	59.9	240	ug/Kg
84-66-2	Diethylphthalate	85	U	85	59.9	240	ug/Kg
86-73-7	Fluorene	63	U	63	59.9	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	66	U	66	59.9	240	ug/Kg
100-01-6	4-Nitroaniline	59	U	59	120	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	470	ug/Kg
86-30-6	N-Nitrosodiphenylamine	59	U	59	59.9	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	72	U	72	59.9	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	63	U	63	59.9	240	ug/Kg
118-74-1	Hexachlorobenzene	70	U	70	59.9	240	ug/Kg
1912-24-9	Atrazine	55	U	55	120	470	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	120	470	ug/Kg
85-01-8	Phenanthrene	62	U	62	59.9	240	ug/Kg
608-93-5	Pentachlorobenzene	72	U	72	59.9	240	ug/Kg
120-12-7	Anthracene	61	U	61	59.9	240	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	47	U	47	59.9	240	ug/Kg
86-74-8	Carbazole	63	U	63	120	470	ug/Kg
84-74-2	Di-n-butylphthalate	59	U	59	59.9	240	ug/Kg
206-44-0	Fluoranthene	93	J	62	120	240	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EQ8	SDG No.:	BM101424
Lab Sample ID:	P4238-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.3
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
BM048045.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	86	J	62	59.9	240	ug/Kg
85-68-7	Butylbenzylphthalate	45	U	45	59.9	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	32	U	32	120	470	ug/Kg
56-55-3	Benzo(a)anthracene	55	U	55	59.9	240	ug/Kg
218-01-9	Chrysene	63	U	63	59.9	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62	U	62	59.9	240	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	120	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	71	J	59	59.9	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	63	U	63	59.9	240	ug/Kg
50-32-8	Benzo(a)pyrene	59	U	59	59.9	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	52	U	52	59.9	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52	U	52	59.9	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49	U	49	59.9	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	52	59.9	240	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.672		15-120		33	SPK: -8
7291-22-7	Pyridine-d5	11.994		20-120		30	SPK: -40
4165-62-2	Phenol-d5	15.519		10-130		39	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	12.749		10-150		32	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.05		15-120		45	SPK: -40
190780-66-6	4-Methylphenol-d8	16.562		10-140		41	SPK: -40
4165-60-0	Nitrobenzene-d5	18.778		10-135		47	SPK: -40
93951-78-1	2-Nitrophenol-d4	21.977		10-120		55	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.305		10-140		48	SPK: -40
191656-33-4	4-Chloroaniline-d4	16.015		1-145		40	SPK: -40
85448-30-2	Dimethylphthalate-d6	19.547		10-145		49	SPK: -40
93951-97-4	Acenaphthylene-d8	19.943		15-120		50	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.928		10-150		32	SPK: -40
81103-79-9	Fluorene-d10	20.403		20-140		51	SPK: -40

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EQ8	SDG No.:	BM101424
Lab Sample ID:	P4238-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.3
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
BM048045.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.7		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	20.078		10-150		50	SPK: -40
1718-52-1	Pyrene-d10	21.633		10-130		54	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.04		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	247951	7.781				
1146-65-2	Naphthalene-d8	962965	10.575				
15067-26-2	Acenaphthene-d10	586745	14.415				
1517-22-2	Phenanthrene-d10	1173104	17.162				
1719-03-5	Chrysene-d12	1121300	21.386				
1520-96-3	Perylene-d12	1329386	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	200	J			15.774	
000057-10-3	n-Hexadecanoic acid	210	J			18.056	
	(DEL) Alkane: Cyclic	21.062	J			21.062	
E966796	Total Alkanes	210				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F12	SDG No.:	BM101424
Lab Sample ID:	P4238-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.7
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
BM048046.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	25	U	25	12.8	130	ug/Kg
100-52-7	Benzaldehyde	150	U	150	160	640	ug/Kg
110-86-1	Pyridine	84	U	84	320	640	ug/Kg
108-95-2	Phenol	68	U	68	160	640	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	66	U	66	160	640	ug/Kg
95-57-8	2-Chlorophenol	54	U	54	82.6	330	ug/Kg
95-48-7	2-Methylphenol	58	U	58	160	640	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	52	U	52	160	640	ug/Kg
98-86-2	Acetophenone	79	J	74	160	640	ug/Kg
106-44-5	4-Methylphenol	62	U	62	160	640	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	56	U	56	82.6	330	ug/Kg
67-72-1	Hexachloroethane	45	U	45	82.6	330	ug/Kg
98-95-3	Nitrobenzene	70	U	70	82.6	330	ug/Kg
78-59-1	Isophorone	66	U	66	82.6	330	ug/Kg
88-75-5	2-Nitrophenol	62	U	62	82.6	330	ug/Kg
105-67-9	2,4-Dimethylphenol	54	U	54	82.6	330	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	74	U	74	82.6	330	ug/Kg
120-83-2	2,4-Dichlorophenol	76	U	76	82.6	330	ug/Kg
91-20-3	Naphthalene	66	U	66	82.6	330	ug/Kg
106-47-8	4-Chloroaniline	84	U	84	82.6	640	ug/Kg
87-68-3	Hexachlorobutadiene	66	U	66	82.6	330	ug/Kg
105-60-2	Caprolactam	230	U	230	160	640	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54	U	54	82.6	330	ug/Kg
90-12-0	1-Methylnaphthalene	80	U	80	82.6	330	ug/Kg
91-57-6	2-Methylnaphthalene	72	U	72	82.6	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	160	640	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84	U	84	82.6	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82	U	82	82.6	330	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F12	SDG No.:	BM101424
Lab Sample ID:	P4238-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.7
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
BM048046.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	93	U	93	82.6	330	ug/Kg
91-58-7	2-Chloronaphthalene	87	U	87	82.6	330	ug/Kg
88-74-4	2-Nitroaniline	43	U	43	82.6	330	ug/Kg
131-11-3	Dimethylphthalate	82	U	82	82.6	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	41	U	41	82.6	330	ug/Kg
208-96-8	Acenaphthylene	84	U	84	82.6	330	ug/Kg
99-09-2	3-Nitroaniline	39	U	39	160	640	ug/Kg
83-32-9	Acenaphthene	80	U	80	82.6	330	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	160	640	ug/Kg
100-02-7	4-Nitrophenol	80	U	80	160	640	ug/Kg
132-64-9	Dibenzofuran	89	U	89	82.6	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	52	U	52	82.6	330	ug/Kg
84-66-2	Diethylphthalate	120	U	120	82.6	330	ug/Kg
86-73-7	Fluorene	87	U	87	82.6	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	91	U	91	82.6	330	ug/Kg
100-01-6	4-Nitroaniline	82	U	82	160	640	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	31	U	31	160	640	ug/Kg
86-30-6	N-Nitrosodiphenylamine	82	U	82	82.6	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99	U	99	82.6	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	87	U	87	82.6	330	ug/Kg
118-74-1	Hexachlorobenzene	97	U	97	82.6	330	ug/Kg
1912-24-9	Atrazine	76	U	76	160	640	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	160	640	ug/Kg
85-01-8	Phenanthrene	290	J	85	82.6	330	ug/Kg
608-93-5	Pentachlorobenzene	99	U	99	82.6	330	ug/Kg
120-12-7	Anthracene	84	U	84	82.6	330	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	64	U	64	82.6	330	ug/Kg
86-74-8	Carbazole	87	U	87	160	640	ug/Kg
84-74-2	Di-n-butylphthalate	82	U	82	82.6	330	ug/Kg
206-44-0	Fluoranthene	760		85	160	330	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F12	SDG No.:	BM101424
Lab Sample ID:	P4238-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.7
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
BM048046.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	490		85	82.6	330	ug/Kg
85-68-7	Butylbenzylphthalate	62	U	62	82.6	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45	U	45	160	640	ug/Kg
56-55-3	Benzo(a)anthracene	310	J	76	82.6	330	ug/Kg
218-01-9	Chrysene	400		87	82.6	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250	J	85	82.6	330	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	160	640	ug/Kg
205-99-2	Benzo(b)fluoranthene	540		82	82.6	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	87	82.6	330	ug/Kg
50-32-8	Benzo(a)pyrene	190	J	82	82.6	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	72	82.6	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	72	U	72	82.6	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68	U	68	82.6	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	72	U	72	82.6	330	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.206		15-120		15	SPK: -8
7291-22-7	Pyridine-d5	0.723	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	6.375		10-130		16	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.536		10-150		14	SPK: -40
93951-73-6	2-Chlorophenol-d4	7.797		15-120		19	SPK: -40
190780-66-6	4-Methylphenol-d8	5.647		10-140		14	SPK: -40
4165-60-0	Nitrobenzene-d5	7.618		10-135		19	SPK: -40
93951-78-1	2-Nitrophenol-d4	8.553		10-120		21	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	7.807		10-140		20	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.69		1-145		4	SPK: -40
85448-30-2	Dimethylphthalate-d6	8.273		10-145		21	SPK: -40
93951-97-4	Acenaphthylene-d8	8.204		15-120		21	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.001		10-150		10	SPK: -40
81103-79-9	Fluorene-d10	8.872		20-140		22	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F12	SDG No.:	BM101424
Lab Sample ID:	P4238-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	48.7
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
BM048046.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.785	*	10-130		9	SPK: -40
1719-06-8	Anthracene-d10	8.491		10-150		21	SPK: -40
1718-52-1	Pyrene-d10	8.467		10-130		21	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	6.108		10-140		15	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	276691	7.781				
1146-65-2	Naphthalene-d8	1096782	10.575				
15067-26-2	Acenaphthene-d10	674992	14.421				
1517-22-2	Phenanthrene-d10	1373380	17.162				
1719-03-5	Chrysene-d12	1293660	21.386				
1520-96-3	Perylene-d12	1513731	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	180	J			15.774	
000057-10-3	n-Hexadecanoic acid	200	J			18.051	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	190	J			21.062	
	(DEL) Alkane: Straight-Chain22.139	220	J			22.139	
E966796	Total Alkanes	220				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	SBLK836	SDG No.:	BM101424
Lab Sample ID:	PB163836BL	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
BM048048.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	75	U	75	82.5	330	ug/Kg
110-86-1	Pyridine	43	U	43	170	330	ug/Kg
108-95-2	Phenol	35	U	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	30	U	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27	U	27	82.5	330	ug/Kg
98-86-2	Acetophenone	38	U	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	32	U	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	29	U	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	23	U	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	36	U	36	42.5	170	ug/Kg
78-59-1	Isophorone	34	U	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	32	U	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	28	U	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	38	U	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	39	U	39	42.5	170	ug/Kg
91-20-3	Naphthalene	34	U	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	34	U	34	42.5	170	ug/Kg
105-60-2	Caprolactam	120	U	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28	U	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	79	U	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43	U	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	SBLK836	SDG No.:	BM101424
Lab Sample ID:	PB163836BL	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
BM048048.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	48	U	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	45	U	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	22	U	22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	42	U	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	21	U	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	43	U	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	20	U	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	41	U	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	41	U	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	46	U	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	60	U	60	42.5	170	ug/Kg
86-73-7	Fluorene	45	U	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47	U	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	42	U	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	42	U	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45	U	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	50	U	50	42.5	170	ug/Kg
1912-24-9	Atrazine	39	U	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	87	U	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	44	U	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	42.5	170	ug/Kg
120-12-7	Anthracene	43	U	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	33	U	33	42.5	170	ug/Kg
86-74-8	Carbazole	45	U	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	42	U	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	44	U	44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	SBLK836	SDG No.:	BM101424
Lab Sample ID:	PB163836BL	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
BM048048.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.258		15-120		53	SPK: -8
7291-22-7	Pyridine-d5	19.413		20-120		49	SPK: -40
4165-62-2	Phenol-d5	21.638		10-130		54	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.223		10-150		46	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.868		15-120		65	SPK: -40
190780-66-6	4-Methylphenol-d8	22.449		10-140		56	SPK: -40
4165-60-0	Nitrobenzene-d5	26.262		10-135		66	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.909		10-120		75	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.268		10-140		63	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.342		1-145		58	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.365		10-145		63	SPK: -40
93951-97-4	Acenaphthylene-d8	25.481		15-120		64	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.5		10-150		49	SPK: -40
81103-79-9	Fluorene-d10	25.63		20-140		64	SPK: -40

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	SBLK836	SDG No.:	BM101424
Lab Sample ID:	PB163836BL	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
BM048048.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.365		10-130		46	SPK: -40
1719-06-8	Anthracene-d10	26.075		10-150		65	SPK: -40
1718-52-1	Pyrene-d10	26.684		10-130		67	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.551		10-140		69	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	260507	7.781				
1146-65-2	Naphthalene-d8	1013524	10.575				
15067-26-2	Acenaphthene-d10	597731	14.422				
1517-22-2	Phenanthrene-d10	1174265	17.157				
1719-03-5	Chrysene-d12	1179982	21.386				
1520-96-3	Perylene-d12	1395576	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F14	SDG No.:	BM101424
Lab Sample ID:	P4238-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17
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
BM048049.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	7.9	80	ug/Kg
100-52-7	Benzaldehyde	90	U	90	99.1	400	ug/Kg
110-86-1	Pyridine	52	U	52	200	400	ug/Kg
108-95-2	Phenol	42	U	42	99.1	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	41	U	41	99.1	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	99.1	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	99.1	400	ug/Kg
98-86-2	Acetophenone	46	U	46	99.1	400	ug/Kg
106-44-5	4-Methylphenol	38	U	38	99.1	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	51	200	ug/Kg
67-72-1	Hexachloroethane	28	U	28	51	200	ug/Kg
98-95-3	Nitrobenzene	43	U	43	51	200	ug/Kg
78-59-1	Isophorone	41	U	41	51	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	51	200	ug/Kg
105-67-9	2,4-Dimethylphenol	34	U	34	51	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	46	U	46	51	200	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	51	200	ug/Kg
91-20-3	Naphthalene	41	U	41	51	200	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	51	400	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	51	200	ug/Kg
105-60-2	Caprolactam	140	U	140	99.1	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	51	200	ug/Kg
90-12-0	1-Methylnaphthalene	49	U	49	51	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	51	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	95	U	95	99.1	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	51	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	51	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F14	SDG No.:	BM101424
Lab Sample ID:	P4238-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17
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
BM048049.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	58	U	58	51	200	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	51	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	51	200	ug/Kg
131-11-3	Dimethylphthalate	50	U	50	51	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	51	200	ug/Kg
208-96-8	Acenaphthylene	52	U	52	51	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	99.1	400	ug/Kg
83-32-9	Acenaphthene	49	U	49	51	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	99.1	400	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	99.1	400	ug/Kg
132-64-9	Dibenzofuran	55	U	55	51	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	51	200	ug/Kg
84-66-2	Diethylphthalate	72	U	72	51	200	ug/Kg
86-73-7	Fluorene	54	U	54	51	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56	U	56	51	200	ug/Kg
100-01-6	4-Nitroaniline	50	U	50	99.1	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	99.1	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	51	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	61	51	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54	U	54	51	200	ug/Kg
118-74-1	Hexachlorobenzene	60	U	60	51	200	ug/Kg
1912-24-9	Atrazine	47	U	47	99.1	400	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	99.1	400	ug/Kg
85-01-8	Phenanthrene	120	J	53	51	200	ug/Kg
608-93-5	Pentachlorobenzene	61	U	61	51	200	ug/Kg
120-12-7	Anthracene	52	U	52	51	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	40	U	40	51	200	ug/Kg
86-74-8	Carbazole	54	U	54	99.1	400	ug/Kg
84-74-2	Di-n-butylphthalate	50	U	50	51	200	ug/Kg
206-44-0	Fluoranthene	180	J	53	99.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F14	SDG No.:	BM101424
Lab Sample ID:	P4238-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17
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
BM048049.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	140	J	53	51	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	51	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	28	99.1	400	ug/Kg
56-55-3	Benzo(a)anthracene	77	J	47	51	200	ug/Kg
218-01-9	Chrysene	80	J	54	51	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72	J	53	51	200	ug/Kg
117-84-0	Di-n-octyl phthalate	41	U	41	99.1	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	95	J	50	51	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	54	U	54	51	200	ug/Kg
50-32-8	Benzo(a)pyrene	73	J	50	51	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	51	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	51	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51	J	42	51	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.273		15-120		28	SPK: -8
7291-22-7	Pyridine-d5	9.521		20-120		24	SPK: -40
4165-62-2	Phenol-d5	12.987		10-130		32	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	10.612		10-150		27	SPK: -40
93951-73-6	2-Chlorophenol-d4	15.052		15-120		38	SPK: -40
190780-66-6	4-Methylphenol-d8	13.83		10-140		35	SPK: -40
4165-60-0	Nitrobenzene-d5	15.243		10-135		38	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.807		10-120		45	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	15.979		10-140		40	SPK: -40
191656-33-4	4-Chloroaniline-d4	12.747		1-145		32	SPK: -40
85448-30-2	Dimethylphthalate-d6	16.339		10-145		41	SPK: -40
93951-97-4	Acenaphthylene-d8	16.529		15-120		41	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.456		10-150		29	SPK: -40
81103-79-9	Fluorene-d10	17.116		20-140		43	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F14	SDG No.:	BM101424
Lab Sample ID:	P4238-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17
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
BM048049.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	9.903		10-130		25	SPK: -40
1719-06-8	Anthracene-d10	17.036		10-150		43	SPK: -40
1718-52-1	Pyrene-d10	18.075		10-130		45	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	17.926		10-140		45	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	306249	7.781				
1146-65-2	Naphthalene-d8	1195764	10.575				
15067-26-2	Acenaphthene-d10	726082	14.421				
1517-22-2	Phenanthrene-d10	1446922	17.162				
1719-03-5	Chrysene-d12	1397367	21.386				
1520-96-3	Perylene-d12	1661904	24.38				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	240	J			15.774	
000057-10-3	n-Hexadecanoic acid	220	J			18.057	
	(DEL) Alkane: Cyclic	21.062	J			21.062	
E966796	Total Alkanes	130				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F15	SDG No.:	BM101424
Lab Sample ID:	P4238-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.3
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
BM048050.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	24	U	24	12.3	120	ug/Kg
100-52-7	Benzaldehyde	140	U	140	150	610	ug/Kg
110-86-1	Pyridine	80	U	80	310	610	ug/Kg
108-95-2	Phenol	65	U	65	150	610	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	63	U	63	150	610	ug/Kg
95-57-8	2-Chlorophenol	52	U	52	79.1	320	ug/Kg
95-48-7	2-Methylphenol	56	U	56	150	610	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	50	U	50	150	610	ug/Kg
98-86-2	Acetophenone	71	J	71	150	610	ug/Kg
106-44-5	4-Methylphenol	60	U	60	150	610	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	54	U	54	79.1	320	ug/Kg
67-72-1	Hexachloroethane	43	U	43	79.1	320	ug/Kg
98-95-3	Nitrobenzene	67	U	67	79.1	320	ug/Kg
78-59-1	Isophorone	63	U	63	79.1	320	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	79.1	320	ug/Kg
105-67-9	2,4-Dimethylphenol	52	U	52	79.1	320	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	71	U	71	79.1	320	ug/Kg
120-83-2	2,4-Dichlorophenol	73	U	73	79.1	320	ug/Kg
91-20-3	Naphthalene	63	U	63	79.1	320	ug/Kg
106-47-8	4-Chloroaniline	80	U	80	79.1	610	ug/Kg
87-68-3	Hexachlorobutadiene	63	U	63	79.1	320	ug/Kg
105-60-2	Caprolactam	220	U	220	150	610	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	79.1	320	ug/Kg
90-12-0	1-Methylnaphthalene	76	U	76	79.1	320	ug/Kg
91-57-6	2-Methylnaphthalene	69	U	69	79.1	320	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	150	610	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80	U	80	79.1	320	ug/Kg
95-95-4	2,4,5-Trichlorophenol	78	U	78	79.1	320	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F15	SDG No.:	BM101424
Lab Sample ID:	P4238-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.3
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
BM048050.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	89	U	89	79.1	320	ug/Kg
91-58-7	2-Chloronaphthalene	84	U	84	79.1	320	ug/Kg
88-74-4	2-Nitroaniline	41	U	41	79.1	320	ug/Kg
131-11-3	Dimethylphthalate	78	U	78	79.1	320	ug/Kg
606-20-2	2,6-Dinitrotoluene	39	U	39	79.1	320	ug/Kg
208-96-8	Acenaphthylene	80	U	80	79.1	320	ug/Kg
99-09-2	3-Nitroaniline	37	U	37	150	610	ug/Kg
83-32-9	Acenaphthene	76	U	76	79.1	320	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	150	610	ug/Kg
100-02-7	4-Nitrophenol	76	U	76	150	610	ug/Kg
132-64-9	Dibenzofuran	86	U	86	79.1	320	ug/Kg
121-14-2	2,4-Dinitrotoluene	50	U	50	79.1	320	ug/Kg
84-66-2	Diethylphthalate	110	U	110	79.1	320	ug/Kg
86-73-7	Fluorene	84	U	84	79.1	320	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	88	U	88	79.1	320	ug/Kg
100-01-6	4-Nitroaniline	78	U	78	150	610	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	30	U	30	150	610	ug/Kg
86-30-6	N-Nitrosodiphenylamine	78	U	78	79.1	320	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	95	U	95	79.1	320	ug/Kg
101-55-3	4-Bromophenyl-phenylether	84	U	84	79.1	320	ug/Kg
118-74-1	Hexachlorobenzene	93	U	93	79.1	320	ug/Kg
1912-24-9	Atrazine	73	U	73	150	610	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	150	610	ug/Kg
85-01-8	Phenanthrene	400		82	79.1	320	ug/Kg
608-93-5	Pentachlorobenzene	95	U	95	79.1	320	ug/Kg
120-12-7	Anthracene	82	J	80	79.1	320	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	61	U	61	79.1	320	ug/Kg
86-74-8	Carbazole	84	U	84	150	610	ug/Kg
84-74-2	Di-n-butylphthalate	78	U	78	79.1	320	ug/Kg
206-44-0	Fluoranthene	1200		82	150	320	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F15	SDG No.:	BM101424
Lab Sample ID:	P4238-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.3
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
BM048050.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	750		82	79.1	320	ug/Kg
85-68-7	Butylbenzylphthalate	60	U	60	79.1	320	ug/Kg
91-94-1	3,3-Dichlorobenzidine	43	U	43	150	610	ug/Kg
56-55-3	Benzo(a)anthracene	460		73	79.1	320	ug/Kg
218-01-9	Chrysene	640		84	79.1	320	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	290	J	82	79.1	320	ug/Kg
117-84-0	Di-n-octyl phthalate	63	U	63	150	610	ug/Kg
205-99-2	Benzo(b)fluoranthene	900		78	79.1	320	ug/Kg
207-08-9	Benzo(k)fluoranthene	290	J	84	79.1	320	ug/Kg
50-32-8	Benzo(a)pyrene	310	J	78	79.1	320	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	270	J	69	79.1	320	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	J	69	79.1	320	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65	U	65	79.1	320	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	69	U	69	79.1	320	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.082	*	15-120		14	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	6.138		10-130		15	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.249		10-150		13	SPK: -40
93951-73-6	2-Chlorophenol-d4	7.576		15-120		19	SPK: -40
190780-66-6	4-Methylphenol-d8	5.478		10-140		14	SPK: -40
4165-60-0	Nitrobenzene-d5	7.194		10-135		18	SPK: -40
93951-78-1	2-Nitrophenol-d4	8.187		10-120		20	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	7.433		10-140		19	SPK: -40
191656-33-4	4-Chloroaniline-d4	0.847		1-145		2	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.374		10-145		18	SPK: -40
93951-97-4	Acenaphthylene-d8	7.303		15-120		18	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.41		10-150		11	SPK: -40
81103-79-9	Fluorene-d10	7.888		20-140		20	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F15	SDG No.:	BM101424
Lab Sample ID:	P4238-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	46.3
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
BM048050.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.698	*	10-130		9	SPK: -40
1719-06-8	Anthracene-d10	7.702		10-150		19	SPK: -40
1718-52-1	Pyrene-d10	7.604		10-130		19	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	5.39		10-140		13	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	320738	7.781				
1146-65-2	Naphthalene-d8	1294687	10.575				
15067-26-2	Acenaphthene-d10	816222	14.421				
1517-22-2	Phenanthrene-d10	1691434	17.156				
1719-03-5	Chrysene-d12	1576870	21.392				
1520-96-3	Perylene-d12	1853723	24.385				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	140	J			3.757	
000119-61-9	Benzophenone	150	J			15.774	
000057-10-3	n-Hexadecanoic acid	270	J			18.056	
000203-64-5	4H-Cyclopenta[def]phenanthrene	140	J			18.227	
	(DEL) Alkane: Cyclic21.062	290	J			21.062	
	(DEL) Alkane: Straight-Chain22.144	260	J			22.144	
000661-19-8	Behenic alcohol	450	J			23.591	
	(DEL) Alkane: Straight-Chain25.432	520	J			25.432	
E966796	Total Alkanes	1100				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY0	SDG No.:	BM101424
Lab Sample ID:	P4238-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.4
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
BM048051.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	17	U	17	8.5	86	ug/Kg
100-52-7	Benzaldehyde	96	U	96	110	420	ug/Kg
110-86-1	Pyridine	55	U	55	210	420	ug/Kg
108-95-2	Phenol	45	U	45	110	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	44	U	44	110	420	ug/Kg
95-57-8	2-Chlorophenol	36	U	36	54.6	220	ug/Kg
95-48-7	2-Methylphenol	39	U	39	110	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	35	U	35	110	420	ug/Kg
98-86-2	Acetophenone	53	J	49	110	420	ug/Kg
106-44-5	4-Methylphenol	41	U	41	110	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	37	U	37	54.6	220	ug/Kg
67-72-1	Hexachloroethane	30	U	30	54.6	220	ug/Kg
98-95-3	Nitrobenzene	46	U	46	54.6	220	ug/Kg
78-59-1	Isophorone	44	U	44	54.6	220	ug/Kg
88-75-5	2-Nitrophenol	41	U	41	54.6	220	ug/Kg
105-67-9	2,4-Dimethylphenol	36	U	36	54.6	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	49	U	49	54.6	220	ug/Kg
120-83-2	2,4-Dichlorophenol	50	U	50	54.6	220	ug/Kg
91-20-3	Naphthalene	44	U	44	54.6	220	ug/Kg
106-47-8	4-Chloroaniline	55	U	55	54.6	420	ug/Kg
87-68-3	Hexachlorobutadiene	44	U	44	54.6	220	ug/Kg
105-60-2	Caprolactam	150	U	150	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	36	U	36	54.6	220	ug/Kg
90-12-0	1-Methylnaphthalene	53	U	53	54.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	48	U	48	54.6	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	110	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55	U	55	54.6	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54	U	54	54.6	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY0	SDG No.:	BM101424
Lab Sample ID:	P4238-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.4
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
BM048051.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	62	U	62	54.6	220	ug/Kg
91-58-7	2-Chloronaphthalene	58	U	58	54.6	220	ug/Kg
88-74-4	2-Nitroaniline	28	U	28	54.6	220	ug/Kg
131-11-3	Dimethylphthalate	54	U	54	54.6	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	27	U	27	54.6	220	ug/Kg
208-96-8	Acenaphthylene	55	U	55	54.6	220	ug/Kg
99-09-2	3-Nitroaniline	26	U	26	110	420	ug/Kg
83-32-9	Acenaphthene	53	U	53	54.6	220	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	110	420	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	110	420	ug/Kg
132-64-9	Dibenzofuran	59	U	59	54.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	U	35	54.6	220	ug/Kg
84-66-2	Diethylphthalate	77	U	77	54.6	220	ug/Kg
86-73-7	Fluorene	58	U	58	54.6	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60	U	60	54.6	220	ug/Kg
100-01-6	4-Nitroaniline	54	U	54	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	21	U	21	110	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	54	U	54	54.6	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	66	U	66	54.6	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58	U	58	54.6	220	ug/Kg
118-74-1	Hexachlorobenzene	64	U	64	54.6	220	ug/Kg
1912-24-9	Atrazine	50	U	50	110	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	110	420	ug/Kg
85-01-8	Phenanthrene	470		57	54.6	220	ug/Kg
608-93-5	Pentachlorobenzene	66	U	66	54.6	220	ug/Kg
120-12-7	Anthracene	99	J	55	54.6	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	42	U	42	54.6	220	ug/Kg
86-74-8	Carbazole	58	J	58	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	54	U	54	54.6	220	ug/Kg
206-44-0	Fluoranthene	1200		57	110	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY0	SDG No.:	BM101424
Lab Sample ID:	P4238-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048051.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	760		57	54.6	220	ug/Kg
85-68-7	Butylbenzylphthalate	41	U	41	54.6	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	30	U	30	110	420	ug/Kg
56-55-3	Benzo(a)anthracene	480		50	54.6	220	ug/Kg
218-01-9	Chrysene	620		58	54.6	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	240		57	54.6	220	ug/Kg
117-84-0	Di-n-octyl phthalate	44	U	44	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	840		54	54.6	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	270		58	54.6	220	ug/Kg
50-32-8	Benzo(a)pyrene	300		54	54.6	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	260		48	54.6	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	J	48	54.6	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	45	U	45	54.6	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48	U	48	54.6	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.116	*	15-120		14	SPK: -8
7291-22-7	Pyridine-d5	0.583	*	20-120		1	SPK: -40
4165-62-2	Phenol-d5	5.952		10-130		15	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	4.932		10-150		12	SPK: -40
93951-73-6	2-Chlorophenol-d4	7.117		15-120		18	SPK: -40
190780-66-6	4-Methylphenol-d8	6.001		10-140		15	SPK: -40
4165-60-0	Nitrobenzene-d5	6.65		10-135		17	SPK: -40
93951-78-1	2-Nitrophenol-d4	7.684		10-120		19	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	7.055		10-140		18	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.125		1-145		3	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.179		10-145		18	SPK: -40
93951-97-4	Acenaphthylene-d8	7.096		15-120		18	SPK: -40
93951-79-2	4-Nitrophenol-d4	3.534	*	10-150		9	SPK: -40
81103-79-9	Fluorene-d10	7.509	*	20-140		19	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY0	SDG No.:	BM101424
Lab Sample ID:	P4238-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.4
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
BM048051.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	2.746	*	10-130		7	SPK: -40
1719-06-8	Anthracene-d10	7.443		10-150		19	SPK: -40
1718-52-1	Pyrene-d10	7.356		10-130		18	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	5.155		10-140		13	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	272357	7.781				
1146-65-2	Naphthalene-d8	1100198	10.575				
15067-26-2	Acenaphthene-d10	671708	14.422				
1517-22-2	Phenanthrene-d10	1372014	17.163				
1719-03-5	Chrysene-d12	1232215	21.386				
1520-96-3	Perylene-d12	1460851	24.386				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	110	J			15.775	
002416-20-8	Hexadecenoic acid, Z-11-	130	J			17.998	
000057-10-3	n-Hexadecanoic acid	600	J			18.057	
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J			18.227	
000084-65-1	9,10-Anthracenedione	92	J			18.574	
000243-17-4	11H-Benzo[b]fluorene	110	J			20.068	
1000406-04-8	Pentadecafluorooctanoic acid, octa	240	J			21.063	
	(DEL) Alkane: Straight-Chain22.145	180	J			22.145	
000593-50-0	1-Triacontanol	460	J			23.586	
007390-81-0	Oxirane, hexadecyl-	420	J			24.868	
E966796	Total Alkanes	180				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY7	SDG No.:	BM101424
Lab Sample ID:	P4238-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048052.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8.3	84	ug/Kg
100-52-7	Benzaldehyde	95	U	95	100	420	ug/Kg
110-86-1	Pyridine	54	U	54	210	420	ug/Kg
108-95-2	Phenol	44	U	44	100	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	43	U	43	100	420	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	53.8	220	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	34	U	34	100	420	ug/Kg
98-86-2	Acetophenone	60	J	48	100	420	ug/Kg
106-44-5	4-Methylphenol	40	U	40	100	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	37	U	37	53.8	220	ug/Kg
67-72-1	Hexachloroethane	29	U	29	53.8	220	ug/Kg
98-95-3	Nitrobenzene	46	U	46	53.8	220	ug/Kg
78-59-1	Isophorone	43	U	43	53.8	220	ug/Kg
88-75-5	2-Nitrophenol	40	U	40	53.8	220	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	53.8	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	48	U	48	53.8	220	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	53.8	220	ug/Kg
91-20-3	Naphthalene	43	U	43	53.8	220	ug/Kg
106-47-8	4-Chloroaniline	54	U	54	53.8	420	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	53.8	220	ug/Kg
105-60-2	Caprolactam	150	U	150	100	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35	U	35	53.8	220	ug/Kg
90-12-0	1-Methylnaphthalene	52	U	52	53.8	220	ug/Kg
91-57-6	2-Methylnaphthalene	47	U	47	53.8	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	100	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54	U	54	53.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53	U	53	53.8	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY7	SDG No.:	BM101424
Lab Sample ID:	P4238-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048052.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	61	U	61	53.8	220	ug/Kg
91-58-7	2-Chloronaphthalene	57	U	57	53.8	220	ug/Kg
88-74-4	2-Nitroaniline	28	U	28	53.8	220	ug/Kg
131-11-3	Dimethylphthalate	53	U	53	53.8	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	27	U	27	53.8	220	ug/Kg
208-96-8	Acenaphthylene	95	J	54	53.8	220	ug/Kg
99-09-2	3-Nitroaniline	25	U	25	100	420	ug/Kg
83-32-9	Acenaphthene	57	J	52	53.8	220	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	420	ug/Kg
100-02-7	4-Nitrophenol	52	U	52	100	420	ug/Kg
132-64-9	Dibenzofuran	58	U	58	53.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	34	U	34	53.8	220	ug/Kg
84-66-2	Diethylphthalate	76	U	76	53.8	220	ug/Kg
86-73-7	Fluorene	61	J	57	53.8	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59	U	59	53.8	220	ug/Kg
100-01-6	4-Nitroaniline	53	U	53	100	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	100	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	53	U	53	53.8	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	65	U	65	53.8	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57	U	57	53.8	220	ug/Kg
118-74-1	Hexachlorobenzene	63	U	63	53.8	220	ug/Kg
1912-24-9	Atrazine	49	U	49	100	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	420	ug/Kg
85-01-8	Phenanthrene	930		56	53.8	220	ug/Kg
608-93-5	Pentachlorobenzene	65	U	65	53.8	220	ug/Kg
120-12-7	Anthracene	200	J	54	53.8	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	42	U	42	53.8	220	ug/Kg
86-74-8	Carbazole	120	J	57	100	420	ug/Kg
84-74-2	Di-n-butylphthalate	53	U	53	53.8	220	ug/Kg
206-44-0	Fluoranthene	2400		56	100	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY7	SDG No.:	BM101424
Lab Sample ID:	P4238-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048052.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1600		56	53.8	220	ug/Kg
85-68-7	Butylbenzylphthalate	40	U	40	53.8	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29	U	29	100	420	ug/Kg
56-55-3	Benzo(a)anthracene	950		49	53.8	220	ug/Kg
218-01-9	Chrysene	1200		57	53.8	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	520		56	53.8	220	ug/Kg
117-84-0	Di-n-octyl phthalate	43	U	43	100	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		53	53.8	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	490		57	53.8	220	ug/Kg
50-32-8	Benzo(a)pyrene	590		53	53.8	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510		47	53.8	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	J	47	53.8	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	83	J	44	53.8	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	47	53.8	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0.793	*	15-120		10	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	8.779		10-130		22	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	7.027		10-150		18	SPK: -40
93951-73-6	2-Chlorophenol-d4	10.406		15-120		26	SPK: -40
190780-66-6	4-Methylphenol-d8	8.749		10-140		22	SPK: -40
4165-60-0	Nitrobenzene-d5	10.544		10-135		26	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.483		10-120		31	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	11.018		10-140		28	SPK: -40
191656-33-4	4-Chloroaniline-d4	0.633		1-145		2	SPK: -40
85448-30-2	Dimethylphthalate-d6	10.871		10-145		27	SPK: -40
93951-97-4	Acenaphthylene-d8	11.053		15-120		28	SPK: -40
93951-79-2	4-Nitrophenol-d4	7.416		10-150		19	SPK: -40
81103-79-9	Fluorene-d10	11.371		20-140		28	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY7	SDG No.:	BM101424
Lab Sample ID:	P4238-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
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
BM048052.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	4.539		10-130		11	SPK: -40
1719-06-8	Anthracene-d10	11.135		10-150		28	SPK: -40
1718-52-1	Pyrene-d10	11.774		10-130		29	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.789		10-140		19	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	315104	7.781				
1146-65-2	Naphthalene-d8	1255422	10.575				
15067-26-2	Acenaphthene-d10	767460	14.422				
1517-22-2	Phenanthrene-d10	1543580	17.163				
1719-03-5	Chrysene-d12	1226197	21.392				
1520-96-3	Perylene-d12	1475289	24.398				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	94	A			4.899	
000119-61-9	Benzophenone	180	J			15.775	
020071-09-4	Benzene, 1,1-(1,2-cyclobutanediyl	170	J			16.763	
010030-73-6	(E)-Hexadec-9-enoic acid	200	J			17.945	
000373-49-9	Palmitoleic acid	240	J			17.998	
000057-10-3	n-Hexadecanoic acid	1200	J			18.063	
000203-64-5	4H-Cyclopenta[def]phenanthrene	300	J			18.227	
000613-12-7	Anthracene, 2-methyl-	100	J			18.263	
	(DEL) Alkane: Straight-Chain18.351	98	J			18.351	
000612-94-2	Naphthalene, 2-phenyl-	89	J			18.533	
000084-65-1	9,10-Anthracenedione	190	J			18.58	
003674-66-6	Phenanthrene, 2,5-dimethyl-	94	J			18.957	
005737-13-3	Cyclopenta(def)phenanthrenone	120	J			19.092	
000057-11-4	Octadecanoic acid	86	J			19.333	
000243-17-4	11H-Benzo[b]fluorene	200	J			20.069	
000479-79-8	11H-Benzo[a]fluoren-11-one	89	J			20.821	
1000406-04-8	Pentadecafluorooctanoic acid, octa	680	J			21.063	

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EY7	SDG No.:	BM101424
Lab Sample ID:	P4238-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048052.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	180	J			21.586	
1000120-80-7	Methadone N-oxide	140	J			21.663	
	(DEL) Alkane: Straight-Chain22.151	400	J			22.151	
000638-66-4	Octadecanal	830	J			23.11	
	(DEL) Alkane: Cyclic23.592	1200	J			23.592	
007390-81-0	Oxirane, hexadecyl-	1400	J			24.886	
	(DEL) Alkane: Straight-Chain25.439	1300	J			25.439	
041755-58-2	Triacetyl acetate	1100	J			25.562	
E966796	Total Alkanes	3000				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ6	SDG No.:	BM101424
Lab Sample ID:	P4238-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.9
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
BM048053.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	23	U	23	11.8	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	150	590	ug/Kg
110-86-1	Pyridine	77	U	77	290	590	ug/Kg
108-95-2	Phenol	62	U	62	150	590	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	61	U	61	150	590	ug/Kg
95-57-8	2-Chlorophenol	50	U	50	75.8	300	ug/Kg
95-48-7	2-Methylphenol	53	U	53	150	590	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	150	590	ug/Kg
98-86-2	Acetophenone	68	U	68	150	590	ug/Kg
106-44-5	4-Methylphenol	57	U	57	150	590	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	52	U	52	75.8	300	ug/Kg
67-72-1	Hexachloroethane	41	U	41	75.8	300	ug/Kg
98-95-3	Nitrobenzene	64	U	64	75.8	300	ug/Kg
78-59-1	Isophorone	61	U	61	75.8	300	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	75.8	300	ug/Kg
105-67-9	2,4-Dimethylphenol	50	U	50	75.8	300	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	68	U	68	75.8	300	ug/Kg
120-83-2	2,4-Dichlorophenol	70	U	70	75.8	300	ug/Kg
91-20-3	Naphthalene	61	U	61	75.8	300	ug/Kg
106-47-8	4-Chloroaniline	77	U	77	75.8	590	ug/Kg
87-68-3	Hexachlorobutadiene	61	U	61	75.8	300	ug/Kg
105-60-2	Caprolactam	210	U	210	150	590	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	75.8	300	ug/Kg
90-12-0	1-Methylnaphthalene	73	U	73	75.8	300	ug/Kg
91-57-6	2-Methylnaphthalene	66	U	66	75.8	300	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	150	590	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	75.8	300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	75	U	75	75.8	300	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ6	SDG No.:	BM101424
Lab Sample ID:	P4238-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.9
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
BM048053.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	86	U	86	75.8	300	ug/Kg
91-58-7	2-Chloronaphthalene	80	U	80	75.8	300	ug/Kg
88-74-4	2-Nitroaniline	39	U	39	75.8	300	ug/Kg
131-11-3	Dimethylphthalate	75	U	75	75.8	300	ug/Kg
606-20-2	2,6-Dinitrotoluene	37	U	37	75.8	300	ug/Kg
208-96-8	Acenaphthylene	77	U	77	75.8	300	ug/Kg
99-09-2	3-Nitroaniline	36	U	36	150	590	ug/Kg
83-32-9	Acenaphthene	73	U	73	75.8	300	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	150	590	ug/Kg
100-02-7	4-Nitrophenol	73	U	73	150	590	ug/Kg
132-64-9	Dibenzofuran	82	U	82	75.8	300	ug/Kg
121-14-2	2,4-Dinitrotoluene	48	U	48	75.8	300	ug/Kg
84-66-2	Diethylphthalate	110	U	110	75.8	300	ug/Kg
86-73-7	Fluorene	80	U	80	75.8	300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	84	U	84	75.8	300	ug/Kg
100-01-6	4-Nitroaniline	75	U	75	150	590	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	29	U	29	150	590	ug/Kg
86-30-6	N-Nitrosodiphenylamine	75	U	75	75.8	300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	91	U	91	75.8	300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	80	U	80	75.8	300	ug/Kg
118-74-1	Hexachlorobenzene	89	U	89	75.8	300	ug/Kg
1912-24-9	Atrazine	70	U	70	150	590	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	150	590	ug/Kg
85-01-8	Phenanthrene	460		78	75.8	300	ug/Kg
608-93-5	Pentachlorobenzene	91	U	91	75.8	300	ug/Kg
120-12-7	Anthracene	92	J	77	75.8	300	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	59	U	59	75.8	300	ug/Kg
86-74-8	Carbazole	80	U	80	150	590	ug/Kg
84-74-2	Di-n-butylphthalate	75	U	75	75.8	300	ug/Kg
206-44-0	Fluoranthene	1200		78	150	300	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ6	SDG No.:	BM101424
Lab Sample ID:	P4238-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.9
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
BM048053.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	760		78	75.8	300	ug/Kg
85-68-7	Butylbenzylphthalate	57	U	57	75.8	300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	41	U	41	150	590	ug/Kg
56-55-3	Benzo(a)anthracene	480		70	75.8	300	ug/Kg
218-01-9	Chrysene	580		80	75.8	300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	320		78	75.8	300	ug/Kg
117-84-0	Di-n-octyl phthalate	61	U	61	150	590	ug/Kg
205-99-2	Benzo(b)fluoranthene	810		75	75.8	300	ug/Kg
207-08-9	Benzo(k)fluoranthene	240	J	80	75.8	300	ug/Kg
50-32-8	Benzo(a)pyrene	280	J	75	75.8	300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240	J	66	75.8	300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	99	J	66	75.8	300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62	U	62	75.8	300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	66	U	66	75.8	300	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.149	*	15-120		14	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	6.107		10-130		15	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.452		10-150		14	SPK: -40
93951-73-6	2-Chlorophenol-d4	7.858		15-120		20	SPK: -40
190780-66-6	4-Methylphenol-d8	4.974		10-140		12	SPK: -40
4165-60-0	Nitrobenzene-d5	7.998		10-135		20	SPK: -40
93951-78-1	2-Nitrophenol-d4	9.246		10-120		23	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	8.177		10-140		20	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.126		1-145		5	SPK: -40
85448-30-2	Dimethylphthalate-d6	8.862		10-145		22	SPK: -40
93951-97-4	Acenaphthylene-d8	8.881		15-120		22	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.079		10-150		10	SPK: -40
81103-79-9	Fluorene-d10	9.533		20-140		24	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ6	SDG No.:	BM101424
Lab Sample ID:	P4238-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	43.9
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
BM048053.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	2.806	*	10-130		7	SPK: -40
1719-06-8	Anthracene-d10	9.478		10-150		24	SPK: -40
1718-52-1	Pyrene-d10	9.712		10-130		24	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	6.633		10-140		17	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	249941	7.787				
1146-65-2	Naphthalene-d8	1006168	10.575				
15067-26-2	Acenaphthene-d10	634412	14.422				
1517-22-2	Phenanthrene-d10	1294271	17.163				
1719-03-5	Chrysene-d12	1130902	21.392				
1520-96-3	Perylene-d12	1345619	24.391				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	320	J			15.774	
000057-10-3	n-Hexadecanoic acid	300	J			18.057	
000203-64-5	4H-Cyclopenta[def]phenanthrene	150	J			18.233	
1000406-04-8	Pentadecafluorooctanoic acid, octa	220	J			21.062	
E966796	Total Alkanes	86	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ7	SDG No.:	BM101424
Lab Sample ID:	P4238-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048054.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8.3	84	ug/Kg
100-52-7	Benzaldehyde	95	U	95	100	420	ug/Kg
110-86-1	Pyridine	54	U	54	210	420	ug/Kg
108-95-2	Phenol	44	U	44	100	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	43	U	43	100	420	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	53.8	220	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	34	U	34	100	420	ug/Kg
98-86-2	Acetophenone	48	U	48	100	420	ug/Kg
106-44-5	4-Methylphenol	40	U	40	100	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	37	U	37	53.8	220	ug/Kg
67-72-1	Hexachloroethane	29	U	29	53.8	220	ug/Kg
98-95-3	Nitrobenzene	46	U	46	53.8	220	ug/Kg
78-59-1	Isophorone	43	U	43	53.8	220	ug/Kg
88-75-5	2-Nitrophenol	40	U	40	53.8	220	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	53.8	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	48	U	48	53.8	220	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	53.8	220	ug/Kg
91-20-3	Naphthalene	43	U	43	53.8	220	ug/Kg
106-47-8	4-Chloroaniline	54	U	54	53.8	420	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	53.8	220	ug/Kg
105-60-2	Caprolactam	150	U	150	100	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35	U	35	53.8	220	ug/Kg
90-12-0	1-Methylnaphthalene	52	U	52	53.8	220	ug/Kg
91-57-6	2-Methylnaphthalene	47	U	47	53.8	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	100	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54	U	54	53.8	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53	U	53	53.8	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ7	SDG No.:	BM101424
Lab Sample ID:	P4238-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048054.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	61	U	61	53.8	220	ug/Kg
91-58-7	2-Chloronaphthalene	57	U	57	53.8	220	ug/Kg
88-74-4	2-Nitroaniline	28	U	28	53.8	220	ug/Kg
131-11-3	Dimethylphthalate	53	U	53	53.8	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	27	U	27	53.8	220	ug/Kg
208-96-8	Acenaphthylene	54	U	54	53.8	220	ug/Kg
99-09-2	3-Nitroaniline	25	U	25	100	420	ug/Kg
83-32-9	Acenaphthene	52	U	52	53.8	220	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	420	ug/Kg
100-02-7	4-Nitrophenol	52	U	52	100	420	ug/Kg
132-64-9	Dibenzofuran	58	U	58	53.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	34	U	34	53.8	220	ug/Kg
84-66-2	Diethylphthalate	76	U	76	53.8	220	ug/Kg
86-73-7	Fluorene	57	U	57	53.8	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59	U	59	53.8	220	ug/Kg
100-01-6	4-Nitroaniline	53	U	53	100	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	100	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	53	U	53	53.8	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	65	U	65	53.8	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	57	U	57	53.8	220	ug/Kg
118-74-1	Hexachlorobenzene	63	U	63	53.8	220	ug/Kg
1912-24-9	Atrazine	49	U	49	100	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	420	ug/Kg
85-01-8	Phenanthrene	210	J	56	53.8	220	ug/Kg
608-93-5	Pentachlorobenzene	65	U	65	53.8	220	ug/Kg
120-12-7	Anthracene	54	U	54	53.8	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	42	U	42	53.8	220	ug/Kg
86-74-8	Carbazole	57	U	57	100	420	ug/Kg
84-74-2	Di-n-butylphthalate	53	U	53	53.8	220	ug/Kg
206-44-0	Fluoranthene	340		56	100	220	ug/Kg

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ7	SDG No.:	BM101424
Lab Sample ID:	P4238-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048054.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	310		56	53.8	220	ug/Kg
85-68-7	Butylbenzylphthalate	40	U	40	53.8	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29	U	29	100	420	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	49	53.8	220	ug/Kg
218-01-9	Chrysene	170	J	57	53.8	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	56	53.8	220	ug/Kg
117-84-0	Di-n-octyl phthalate	43	U	43	100	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	J	53	53.8	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	64	J	57	53.8	220	ug/Kg
50-32-8	Benzo(a)pyrene	160	J	53	53.8	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88	J	47	53.8	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	47	U	47	53.8	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	J	44	53.8	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	47	53.8	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.081		15-120		26	SPK: -8
7291-22-7	Pyridine-d5	5.674	*	20-120		14	SPK: -40
4165-62-2	Phenol-d5	12.474		10-130		31	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	10.282		10-150		26	SPK: -40
93951-73-6	2-Chlorophenol-d4	15.109		15-120		38	SPK: -40
190780-66-6	4-Methylphenol-d8	12.219		10-140		31	SPK: -40
4165-60-0	Nitrobenzene-d5	15.382		10-135		38	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.341		10-120		46	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	16.726		10-140		42	SPK: -40
191656-33-4	4-Chloroaniline-d4	10.443		1-145		26	SPK: -40
85448-30-2	Dimethylphthalate-d6	17.422		10-145		44	SPK: -40
93951-97-4	Acenaphthylene-d8	17.768		15-120		44	SPK: -40
93951-79-2	4-Nitrophenol-d4	8.848		10-150		22	SPK: -40
81103-79-9	Fluorene-d10	18.911		20-140		47	SPK: -40

Report of Analysis

Client:		Date Collected:	9/30/2024 12:00:00 AM
Project:		Date Received:	9/30/2024 12:00:00 AM
Client Sample ID:	A4EZ7	SDG No.:	BM101424
Lab Sample ID:	P4238-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.2
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
BM048054.D	1	10/2/2024 12:00:00 AM	10/15/2024 12:00:00 AM	PB163836

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	6.198		10-130		15	SPK: -40
1719-06-8	Anthracene-d10	19.49		10-150		49	SPK: -40
1718-52-1	Pyrene-d10	21.63		10-130		54	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.026		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	309484	7.781				
1146-65-2	Naphthalene-d8	1243623	10.575				
15067-26-2	Acenaphthene-d10	760775	14.421				
1517-22-2	Phenanthrene-d10	1544961	17.162				
1719-03-5	Chrysene-d12	1421355	21.392				
1520-96-3	Perylene-d12	1688121	24.391				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	440	J			15.774	
007012-37-5	1,1-Biphenyl, 2,4,4-trichloro-	95	J			17.762	
000057-10-3	n-Hexadecanoic acid	390	J			18.057	
002437-79-8	1,1-Biphenyl, 2,2,4,4-tetrachlo	140	J			18.233	
1000406-04-6	Pentadecafluorooctanoic acid, hexa	180	J			21.062	
E966796	Total Alkanes	61	U			99	ug/Kg

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SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4EQ8								
P4238-01	A4EQ8	Solid	(DEL) Alkane: Cyclic21.062	*	210.000	J		
P4238-01	A4EQ8	Solid	Benzophenone	*	200.000	J		
P4238-01	A4EQ8	Solid	n-Hexadecanoic acid	*	210.000	J		
P4238-01	A4EQ8	Solid	Total Alkanes	*	210.000	68	240	ug/Kg
Total Tics :				830.00				
P4238-01	A4EQ8	Solid	Benzo(b)fluoranthene		71.000	J 59	240	ug/Kg
P4238-01	A4EQ8	Solid	Fluoranthene		93.000	J 62	240	ug/Kg
P4238-01	A4EQ8	Solid	Pyrene		86.000	J 62	240	ug/Kg
Total Svoc :				250.00				
Total Concentration:				1,080.00				
Client ID : A4F12								
P4238-02	A4F12	Solid	(DEL) Alkane: Straight-Chain22.1	*	220.000	J		
P4238-02	A4F12	Solid	Benzophenone	*	180.000	J		
P4238-02	A4F12	Solid	Ethanol, 2-(tetradecyloxy)-	*	190.000	J		
P4238-02	A4F12	Solid	n-Hexadecanoic acid	*	200.000	J		
P4238-02	A4F12	Solid	Total Alkanes	*	220.000	93	330	ug/Kg
Total Tics :				1,010.00				
P4238-02	A4F12	Solid	Acetophenone		79.000	J 74	640	ug/Kg
P4238-02	A4F12	Solid	Benzo(a)anthracene		310.000	J 76	330	ug/Kg
P4238-02	A4F12	Solid	Benzo(a)pyrene		190.000	J 82	330	ug/Kg
P4238-02	A4F12	Solid	Benzo(b)fluoranthene		540.000	82	330	ug/Kg
P4238-02	A4F12	Solid	Benzo(k)fluoranthene		180.000	J 87	330	ug/Kg
P4238-02	A4F12	Solid	Bis(2-ethylhexyl)phthalate		250.000	J 85	330	ug/Kg
P4238-02	A4F12	Solid	Chrysene		400.000	87	330	ug/Kg
P4238-02	A4F12	Solid	Fluoranthene		760.000	85	330	ug/Kg
P4238-02	A4F12	Solid	Indeno(1,2,3-cd)pyrene		160.000	J 72	330	ug/Kg
P4238-02	A4F12	Solid	Phenanthrene		290.000	J 85	330	ug/Kg
P4238-02	A4F12	Solid	Pyrene		490.000	85	330	ug/Kg
Total Svoc :				3,649.00				
Total Concentration:				4,659.00				
Client ID : A4F13								
P4238-03	A4F13	Solid	4H-Cyclopenta[def]phenanthrene	*	160.000	J		
P4238-03	A4F13	Solid	Benzophenone	*	220.000	J		
P4238-03	A4F13	Solid	n-Hexadecanoic acid	*	210.000	J		
P4238-03	A4F13	Solid	Total Alkanes	*	0.000	92	330	ug/Kg
Total Tics :				590.00				
P4238-03	A4F13	Solid	Anthracene		110.000	J 82	330	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4238-03	A4F13	Solid	Benzo(a)anthracene	250.000	J	75	330	ug/Kg
P4238-03	A4F13	Solid	Benzo(a)pyrene	140.000	J	81	330	ug/Kg
P4238-03	A4F13	Solid	Benzo(b)fluoranthene	280.000	J	81	330	ug/Kg
P4238-03	A4F13	Solid	Benzo(k)fluoranthene	97.000	J	86	330	ug/Kg
P4238-03	A4F13	Solid	Bis(2-ethylhexyl)phthalate	92.000	J	84	330	ug/Kg
P4238-03	A4F13	Solid	Chrysene	260.000	J	86	330	ug/Kg
P4238-03	A4F13	Solid	Fluoranthene	530.000		84	330	ug/Kg
P4238-03	A4F13	Solid	Indeno(1,2,3-cd)pyrene	83.000	J	71	330	ug/Kg
P4238-03	A4F13	Solid	Phenanthrene	470.000		84	330	ug/Kg
P4238-03	A4F13	Solid	Pyrene	430.000		84	330	ug/Kg
Total Svoc :				2,742.00				
Total Concentration:				3,332.00				
Client ID : A4F14								
P4238-04	A4F14	Solid	(DEL) Alkane: Cyclic21.062	*	130.000	J		
P4238-04	A4F14	Solid	Benzophenone	*	240.000	J		
P4238-04	A4F14	Solid	n-Hexadecanoic acid	*	220.000	J		
P4238-04	A4F14	Solid	Total Alkanes	*	130.000	58	200	ug/Kg
Total Tics :				720.00				
P4238-04	A4F14	Solid	Benzo(a)anthracene	77.000	J	47	200	ug/Kg
P4238-04	A4F14	Solid	Benzo(a)pyrene	73.000	J	50	200	ug/Kg
P4238-04	A4F14	Solid	Benzo(b)fluoranthene	95.000	J	50	200	ug/Kg
P4238-04	A4F14	Solid	Benzo(g,h,i)perylene	51.000	J	42	200	ug/Kg
P4238-04	A4F14	Solid	Bis(2-ethylhexyl)phthalate	72.000	J	53	200	ug/Kg
P4238-04	A4F14	Solid	Chrysene	80.000	J	54	200	ug/Kg
P4238-04	A4F14	Solid	Fluoranthene	180.000	J	53	200	ug/Kg
P4238-04	A4F14	Solid	Phenanthrene	120.000	J	53	200	ug/Kg
P4238-04	A4F14	Solid	Pyrene	140.000	J	53	200	ug/Kg
Total Svoc :				888.00				
Total Concentration:				1,608.00				
Client ID : A4F15								
P4238-05	A4F15	Solid	(DEL) Alkane: Cyclic21.062	*	290.000	J		
P4238-05	A4F15	Solid	(DEL) Alkane: Straight-Chain22.1	*	260.000	J		
P4238-05	A4F15	Solid	(DEL) Alkane: Straight-Chain25.4	*	520.000	J		
P4238-05	A4F15	Solid	4H-Cyclopenta[def]phenanthrene	*	140.000	J		
P4238-05	A4F15	Solid	Behenic alcohol	*	450.000	J		
P4238-05	A4F15	Solid	Benzophenone	*	150.000	J		
P4238-05	A4F15	Solid	n-Hexadecanoic acid	*	270.000	J		
P4238-05	A4F15	Solid	unknown-01	*	140.000	J		
P4238-05	A4F15	Solid	Total Alkanes	*	1,100.000	89	320	ug/Kg
Total Tics :				3,320.00				

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4238-05	A4F15	Solid	Acetophenone	71.000	J	71	610	ug/Kg
P4238-05	A4F15	Solid	Anthracene	82.000	J	80	320	ug/Kg
P4238-05	A4F15	Solid	Benzo(a)anthracene	460.000		73	320	ug/Kg
P4238-05	A4F15	Solid	Benzo(a)pyrene	310.000	J	78	320	ug/Kg
P4238-05	A4F15	Solid	Benzo(b)fluoranthene	900.000		78	320	ug/Kg
P4238-05	A4F15	Solid	Benzo(k)fluoranthene	290.000	J	84	320	ug/Kg
P4238-05	A4F15	Solid	Bis(2-ethylhexyl)phthalate	290.000	J	82	320	ug/Kg
P4238-05	A4F15	Solid	Chrysene	640.000		84	320	ug/Kg
P4238-05	A4F15	Solid	Dibenzo(a,h)anthracene	110.000	J	69	320	ug/Kg
P4238-05	A4F15	Solid	Fluoranthene	1,200.000		82	320	ug/Kg
P4238-05	A4F15	Solid	Indeno(1,2,3-cd)pyrene	270.000	J	69	320	ug/Kg
P4238-05	A4F15	Solid	Phenanthrene	400.000		82	320	ug/Kg
P4238-05	A4F15	Solid	Pyrene	750.000		82	320	ug/Kg

Total Svoc : **5,773.00**

Total Concentration: **9,093.00**

Client ID : A4F18

P4238-06	A4F18	Solid	(DEL) Alkane: Straight-Chain21.(*	170.000	J			
P4238-06	A4F18	Solid	1,1-Biphenyl, 2,2,5,5-tetrachlo *	200.000	J			
P4238-06	A4F18	Solid	1,1-Biphenyl, 2,4,4-trichloro- *	200.000	J			
P4238-06	A4F18	Solid	2,2,4,5-Tetrachloro-1,1-biphenyl *	150.000	J			
P4238-06	A4F18	Solid	Benzophenone *	230.000	J			
P4238-06	A4F18	Solid	n-Hexadecanoic acid *	230.000	J			
P4238-06	A4F18	Solid	Total Alkanes *	170.000		86	310	ug/Kg

Total Tics : **1,350.00**

P4238-06	A4F18	Solid	Benzo(a)anthracene	120.000	J	70	310	ug/Kg
P4238-06	A4F18	Solid	Benzo(b)fluoranthene	180.000	J	75	310	ug/Kg
P4238-06	A4F18	Solid	Bis(2-ethylhexyl)phthalate	100.000	J	79	310	ug/Kg
P4238-06	A4F18	Solid	Chrysene	140.000	J	81	310	ug/Kg
P4238-06	A4F18	Solid	Fluoranthene	240.000	J	79	310	ug/Kg
P4238-06	A4F18	Solid	Phenanthrene	120.000	J	79	310	ug/Kg
P4238-06	A4F18	Solid	Pyrene	180.000	J	79	310	ug/Kg

Total Svoc : **1,080.00**

Total Concentration: **2,430.00**

Client ID : A4EY0

P4238-08	A4EY0	Solid	(DEL) Alkane: Straight-Chain22.1 *	180.000	J			
P4238-08	A4EY0	Solid	1-Triacontanol *	460.000	J			
P4238-08	A4EY0	Solid	11H-Benzo[b]fluorene *	110.000	J			
P4238-08	A4EY0	Solid	4H-Cyclopenta[def]phenanthrene *	160.000	J			
P4238-08	A4EY0	Solid	9,10-Anthracenedione *	92.000	J			

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SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4238-08	A4EY0	Solid	Benzophenone	*	110.000	J		
P4238-08	A4EY0	Solid	Hexadecenoic acid, Z-11-	*	130.000	J		
P4238-08	A4EY0	Solid	n-Hexadecanoic acid	*	600.000	J		
P4238-08	A4EY0	Solid	Oxirane, hexadecyl-	*	420.000	J		
P4238-08	A4EY0	Solid	Pentadecafluorooctanoic acid, octa	*	240.000	J		
P4238-08	A4EY0	Solid	Total Alkanes	*	180.000	62	220	ug/Kg
Total Tics :				2,682.00				
P4238-08	A4EY0	Solid	Acetophenone		53.000	J	49	420 ug/Kg
P4238-08	A4EY0	Solid	Anthracene		99.000	J	55	220 ug/Kg
P4238-08	A4EY0	Solid	Benzo(a)anthracene		480.000		50	220 ug/Kg
P4238-08	A4EY0	Solid	Benzo(a)pyrene		300.000		54	220 ug/Kg
P4238-08	A4EY0	Solid	Benzo(b)fluoranthene		840.000		54	220 ug/Kg
P4238-08	A4EY0	Solid	Benzo(k)fluoranthene		270.000		58	220 ug/Kg
P4238-08	A4EY0	Solid	Bis(2-ethylhexyl)phthalate		240.000		57	220 ug/Kg
P4238-08	A4EY0	Solid	Carbazole		58.000	J	58	420 ug/Kg
P4238-08	A4EY0	Solid	Chrysene		620.000		58	220 ug/Kg
P4238-08	A4EY0	Solid	Dibenzo(a,h)anthracene		100.000	J	48	220 ug/Kg
P4238-08	A4EY0	Solid	Fluoranthene		1,200.000		57	220 ug/Kg
P4238-08	A4EY0	Solid	Indeno(1,2,3-cd)pyrene		260.000		48	220 ug/Kg
P4238-08	A4EY0	Solid	Phenanthrene		470.000		57	220 ug/Kg
P4238-08	A4EY0	Solid	Pyrene		760.000		57	220 ug/Kg
Total Svoc :				5,750.00				
Total Concentration:				8,432.00				
Client ID : A4EY6								
P4238-10	A4EY6	Solid	(DEL) Alkane: Straight-Chain21.0	*	140.000	J		
P4238-10	A4EY6	Solid	Benzophenone	*	180.000	J		
P4238-10	A4EY6	Solid	n-Hexadecanoic acid	*	180.000	J		
P4238-10	A4EY6	Solid	Total Alkanes	*	140.000	78	280	ug/Kg
Total Tics :				640.00				
P4238-10	A4EY6	Solid	Fluoranthene		71.000	J	71	280 ug/Kg
Total Svoc :				71.00				
Total Concentration:				711.00				
Client ID : A4EY7								
P4238-11	A4EY7	Solid	(DEL) Alkane: Cyclic23.592	*	1,200.000	J		
P4238-11	A4EY7	Solid	(DEL) Alkane: Straight-Chain18.3	*	98.000	J		
P4238-11	A4EY7	Solid	(DEL) Alkane: Straight-Chain22.1	*	400.000	J		
P4238-11	A4EY7	Solid	(DEL) Alkane: Straight-Chain25.4	*	1,300.000	J		
P4238-11	A4EY7	Solid	(E)-Hexadec-9-enoic acid	*	200.000	J		
P4238-11	A4EY7	Solid	11H-Benzo[a]fluoren-11-one	*	89.000	J		
P4238-11	A4EY7	Solid	11H-Benzo[b]fluorene	*	200.000	J		

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4238-11	A4EY7	Solid	2-Pentanone, 4-hydroxy-4-methyl *	94.000	A			
P4238-11	A4EY7	Solid	4H-Cyclopenta[def]phenanthrene *	300.000	J			
P4238-11	A4EY7	Solid	9,10-Anthracenedione *	190.000	J			
P4238-11	A4EY7	Solid	Anthracene, 2-methyl- *	100.000	J			
P4238-11	A4EY7	Solid	Benzene, 1,1-(1,2-cyclobutanediyl) *	170.000	J			
P4238-11	A4EY7	Solid	Benzophenone *	180.000	J			
P4238-11	A4EY7	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr *	180.000	J			
P4238-11	A4EY7	Solid	Cyclopenta(def)phenanthrenone *	120.000	J			
P4238-11	A4EY7	Solid	Methadone N-oxide *	140.000	J			
P4238-11	A4EY7	Solid	n-Hexadecanoic acid *	1,200.000	J			
P4238-11	A4EY7	Solid	Naphthalene, 2-phenyl- *	89.000	J			
P4238-11	A4EY7	Solid	Octadecanal *	830.000	J			
P4238-11	A4EY7	Solid	Octadecanoic acid *	86.000	J			
P4238-11	A4EY7	Solid	Oxirane, hexadecyl- *	1,400.000	J			
P4238-11	A4EY7	Solid	Palmitoleic acid *	240.000	J			
P4238-11	A4EY7	Solid	Pentadecafluorooctanoic acid, oct: *	680.000	J			
P4238-11	A4EY7	Solid	Phenanthrene, 2,5-dimethyl- *	94.000	J			
P4238-11	A4EY7	Solid	Triacetyl acetate *	1,100.000	J			
P4238-11	A4EY7	Solid	Total Alkanes *	3,000.000		61	220	ug/Kg
Total Tics :				13,680.00				
P4238-11	A4EY7	Solid	Acenaphthene	57.000	J	52	220	ug/Kg
P4238-11	A4EY7	Solid	Acenaphthylene	95.000	J	54	220	ug/Kg
P4238-11	A4EY7	Solid	Acetophenone	60.000	J	48	420	ug/Kg
P4238-11	A4EY7	Solid	Anthracene	200.000	J	54	220	ug/Kg
P4238-11	A4EY7	Solid	Benzo(a)anthracene	950.000		49	220	ug/Kg
P4238-11	A4EY7	Solid	Benzo(a)pyrene	590.000		53	220	ug/Kg
P4238-11	A4EY7	Solid	Benzo(b)fluoranthene	1,600.000		53	220	ug/Kg
P4238-11	A4EY7	Solid	Benzo(g,h,i)perylene	83.000	J	44	220	ug/Kg
P4238-11	A4EY7	Solid	Benzo(k)fluoranthene	490.000		57	220	ug/Kg
P4238-11	A4EY7	Solid	Bis(2-ethylhexyl)phthalate	520.000		56	220	ug/Kg
P4238-11	A4EY7	Solid	Carbazole	120.000	J	57	420	ug/Kg
P4238-11	A4EY7	Solid	Chrysene	1,200.000		57	220	ug/Kg
P4238-11	A4EY7	Solid	Dibenzo(a,h)anthracene	200.000	J	47	220	ug/Kg
P4238-11	A4EY7	Solid	Fluoranthene	2,400.000		56	220	ug/Kg
P4238-11	A4EY7	Solid	Fluorene	61.000	J	57	220	ug/Kg
P4238-11	A4EY7	Solid	Indeno(1,2,3-cd)pyrene	510.000		47	220	ug/Kg
P4238-11	A4EY7	Solid	Phenanthrene	930.000		56	220	ug/Kg
P4238-11	A4EY7	Solid	Pyrene	1,600.000		56	220	ug/Kg
Total Svoc :				11,666.00				
Total Concentration:				25,346.00				

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4EZ6								
P4238-14	A4EZ6	Solid	4H-Cyclopenta[def]phenanthrene *	150.000	J			
P4238-14	A4EZ6	Solid	Benzophenone *	320.000	J			
P4238-14	A4EZ6	Solid	n-Hexadecanoic acid *	300.000	J			
P4238-14	A4EZ6	Solid	Pentadecafluorooctanoic acid, oct: *	220.000	J			
P4238-14	A4EZ6	Solid	Total Alkanes *	0.000		86	300	ug/Kg
Total Tics :				990.00				
P4238-14	A4EZ6	Solid	Anthracene	92.000	J	77	300	ug/Kg
P4238-14	A4EZ6	Solid	Benzo(a)anthracene	480.000		70	300	ug/Kg
P4238-14	A4EZ6	Solid	Benzo(a)pyrene	280.000	J	75	300	ug/Kg
P4238-14	A4EZ6	Solid	Benzo(b)fluoranthene	810.000		75	300	ug/Kg
P4238-14	A4EZ6	Solid	Benzo(k)fluoranthene	240.000	J	80	300	ug/Kg
P4238-14	A4EZ6	Solid	Bis(2-ethylhexyl)phthalate	320.000		78	300	ug/Kg
P4238-14	A4EZ6	Solid	Chrysene	580.000		80	300	ug/Kg
P4238-14	A4EZ6	Solid	Dibenzo(a,h)anthracene	99.000	J	66	300	ug/Kg
P4238-14	A4EZ6	Solid	Fluoranthene	1,200.000		78	300	ug/Kg
P4238-14	A4EZ6	Solid	Indeno(1,2,3-cd)pyrene	240.000	J	66	300	ug/Kg
P4238-14	A4EZ6	Solid	Phenanthrene	460.000		78	300	ug/Kg
P4238-14	A4EZ6	Solid	Pyrene	760.000		78	300	ug/Kg
Total Svoc :				5,561.00				
Total Concentration:				6,551.00				
Client ID : A4EZ7								
P4238-15	A4EZ7	Solid	1,1-Biphenyl, 2,2,4,4-tetrachlo *	140.000	J			
P4238-15	A4EZ7	Solid	1,1-Biphenyl, 2,4,4-trichloro- *	95.000	J			
P4238-15	A4EZ7	Solid	Benzophenone *	440.000	J			
P4238-15	A4EZ7	Solid	n-Hexadecanoic acid *	390.000	J			
P4238-15	A4EZ7	Solid	Pentadecafluorooctanoic acid, hex *	180.000	J			
P4238-15	A4EZ7	Solid	Total Alkanes *	0.000		61	220	ug/Kg
Total Tics :				1,245.00				
P4238-15	A4EZ7	Solid	Benzo(a)anthracene	160.000	J	49	220	ug/Kg
P4238-15	A4EZ7	Solid	Benzo(a)pyrene	160.000	J	53	220	ug/Kg
P4238-15	A4EZ7	Solid	Benzo(b)fluoranthene	210.000	J	53	220	ug/Kg
P4238-15	A4EZ7	Solid	Benzo(g,h,i)perylene	110.000	J	44	220	ug/Kg
P4238-15	A4EZ7	Solid	Benzo(k)fluoranthene	64.000	J	57	220	ug/Kg
P4238-15	A4EZ7	Solid	Bis(2-ethylhexyl)phthalate	110.000	J	56	220	ug/Kg
P4238-15	A4EZ7	Solid	Chrysene	170.000	J	57	220	ug/Kg
P4238-15	A4EZ7	Solid	Fluoranthene	340.000		56	220	ug/Kg
P4238-15	A4EZ7	Solid	Indeno(1,2,3-cd)pyrene	88.000	J	47	220	ug/Kg
P4238-15	A4EZ7	Solid	Phenanthrene	210.000	J	56	220	ug/Kg
P4238-15	A4EZ7	Solid	Pyrene	310.000		56	220	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Svoc :				1,932.00				
Total Concentration:				3,177.00				
Client ID :	A4F02							
P4238-18	A4F02	Solid	n-Hexadecanoic acid	*	130.000	J		
P4238-18	A4F02	Solid	Total Alkanes	*	0.000	83	300	ug/Kg
Total Tics :				130.00				
P4238-18	A4F02	Solid	Benzo(a)anthracene		150.000	J 68	300	ug/Kg
P4238-18	A4F02	Solid	Benzo(a)pyrene		79.000	J 73	300	ug/Kg
P4238-18	A4F02	Solid	Benzo(b)fluoranthene		200.000	J 73	300	ug/Kg
P4238-18	A4F02	Solid	Bis(2-ethylhexyl)phthalate		390.000	76	300	ug/Kg
P4238-18	A4F02	Solid	Chrysene		170.000	J 78	300	ug/Kg
P4238-18	A4F02	Solid	Fluoranthene		330.000	76	300	ug/Kg
P4238-18	A4F02	Solid	Phenanthrene		190.000	J 76	300	ug/Kg
P4238-18	A4F02	Solid	Pyrene		220.000	J 76	300	ug/Kg
Total Svoc :				1,729.00				
Total Concentration:				1,859.00				
Client ID :	A4F06							
P4238-19	A4F06	Solid	(DEL) Alkane: Straight-Chain21.(	*	120.000	J		
P4238-19	A4F06	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	A		
P4238-19	A4F06	Solid	Benzophenone	*	120.000	J		
P4238-19	A4F06	Solid	n-Hexadecanoic acid	*	190.000	J		
P4238-19	A4F06	Solid	Total Alkanes	*	120.000	79	280	ug/Kg
Total Tics :				770.00				
P4238-19	A4F06	Solid	Benzo(a)anthracene		140.000	J 65	280	ug/Kg
P4238-19	A4F06	Solid	Benzo(a)pyrene		74.000	J 70	280	ug/Kg
P4238-19	A4F06	Solid	Benzo(b)fluoranthene		160.000	J 70	280	ug/Kg
P4238-19	A4F06	Solid	Bis(2-ethylhexyl)phthalate		110.000	J 73	280	ug/Kg
P4238-19	A4F06	Solid	Chrysene		140.000	J 75	280	ug/Kg
P4238-19	A4F06	Solid	Fluoranthene		290.000	73	280	ug/Kg
P4238-19	A4F06	Solid	Phenanthrene		160.000	J 73	280	ug/Kg
P4238-19	A4F06	Solid	Pyrene		200.000	J 73	280	ug/Kg
Total Svoc :				1,274.00				
Total Concentration:				2,044.00				
Client ID :	A4F07							
P4238-20	A4F07	Solid	(DEL) Alkane: Straight-Chain22.1	*	230.000	J		
P4238-20	A4F07	Solid	n-Hexadecanoic acid	*	210.000	J		
P4238-20	A4F07	Solid	Pentadecafluorooctanoic acid, octa	*	170.000	J		
P4238-20	A4F07	Solid	Total Alkanes	*	230.000	96	340	ug/Kg
Total Tics :				840.00				

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4238-20	A4F07	Solid	Benzo(a)anthracene	320.000	J	78	340	ug/Kg
P4238-20	A4F07	Solid	Benzo(a)pyrene	190.000	J	84	340	ug/Kg
P4238-20	A4F07	Solid	Benzo(b)fluoranthene	550.000		84	340	ug/Kg
P4238-20	A4F07	Solid	Benzo(k)fluoranthene	190.000	J	90	340	ug/Kg
P4238-20	A4F07	Solid	Bis(2-ethylhexyl)phthalate	240.000	J	88	340	ug/Kg
P4238-20	A4F07	Solid	Chrysene	410.000		90	340	ug/Kg
P4238-20	A4F07	Solid	Fluoranthene	770.000		88	340	ug/Kg
P4238-20	A4F07	Solid	Indeno(1,2,3-cd)pyrene	160.000	J	74	340	ug/Kg
P4238-20	A4F07	Solid	Phenanthrene	310.000	J	88	340	ug/Kg
P4238-20	A4F07	Solid	Pyrene	490.000		88	340	ug/Kg
Total Svoc :				3,630.00				
Total Concentration:				4,470.00				
Client ID : A4F08								
P4239-01	A4F08	Solid	Benzophenone	*	97.000	J		
P4239-01	A4F08	Solid	n-Hexadecanoic acid	*	130.000	J		
P4239-01	A4F08	Solid	Total Alkanes	*	0.000	58	210	ug/Kg
Total Tics :				227.00				
P4239-01	A4F08	Solid	Benzo(a)anthracene	64.000	J	47	210	ug/Kg
P4239-01	A4F08	Solid	Benzo(b)fluoranthene	76.000	J	51	210	ug/Kg
P4239-01	A4F08	Solid	Chrysene	68.000	J	55	210	ug/Kg
P4239-01	A4F08	Solid	Fluoranthene	150.000	J	54	210	ug/Kg
P4239-01	A4F08	Solid	Phenanthrene	95.000	J	54	210	ug/Kg
P4239-01	A4F08	Solid	Pyrene	100.000	J	54	210	ug/Kg
Total Svoc :				553.00				
Total Concentration:				780.00				
Client ID : A4EG1								
P4239-05	A4EG1	Solid	(DEL) Alkane: Straight-Chain22.1	*	120.000	J		
P4239-05	A4EG1	Solid	4H-Cyclopenta[def]phenanthrene	*	140.000	J		
P4239-05	A4EG1	Solid	Benzophenone	*	140.000	J		
P4239-05	A4EG1	Solid	Ethanol, 2-(tetradecyloxy)-	*	200.000	J		
P4239-05	A4EG1	Solid	Fluoranthene, 2-methyl-	*	120.000	J		
P4239-05	A4EG1	Solid	n-Hexadecanoic acid	*	350.000	J		
P4239-05	A4EG1	Solid	Total Alkanes	*	120.000	71	250	ug/Kg
Total Tics :				1,190.00				
P4239-05	A4EG1	Solid	Anthracene	84.000	J	64	250	ug/Kg
P4239-05	A4EG1	Solid	Benzo(a)anthracene	470.000		58	250	ug/Kg
P4239-05	A4EG1	Solid	Benzo(a)pyrene	310.000		63	250	ug/Kg
P4239-05	A4EG1	Solid	Benzo(b)fluoranthene	810.000		63	250	ug/Kg
P4239-05	A4EG1	Solid	Benzo(k)fluoranthene	240.000	J	67	250	ug/Kg
P4239-05	A4EG1	Solid	Bis(2-ethylhexyl)phthalate	470.000		65	250	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4239-05	A4EG1	Solid	Chrysene	590.000		67	250	ug/Kg
P4239-05	A4EG1	Solid	Dibenzo(a,h)anthracene	100.000	J	55	250	ug/Kg
P4239-05	A4EG1	Solid	Fluoranthene	1,100.000		65	250	ug/Kg
P4239-05	A4EG1	Solid	Indeno(1,2,3-cd)pyrene	260.000		55	250	ug/Kg
P4239-05	A4EG1	Solid	Phenanthrene	440.000		65	250	ug/Kg
P4239-05	A4EG1	Solid	Pyrene	760.000		65	250	ug/Kg
Total Svoc :				5,634.00				
Total Concentration:				6,824.00				

Client ID : A4EG2

P4239-06	A4EG2	Solid	(DEL) Alkane: Cyclic21.062	*	190.000	J		
P4239-06	A4EG2	Solid	(DEL) Alkane: Straight-Chain22.1	*	110.000	J		
P4239-06	A4EG2	Solid	4H-Cyclopenta[def]phenanthrene	*	160.000	J		
P4239-06	A4EG2	Solid	9,10-Anthracenedione	*	100.000	J		
P4239-06	A4EG2	Solid	Benzophenone	*	130.000	J		
P4239-06	A4EG2	Solid	n-Hexadecanoic acid	*	290.000	J		
P4239-06	A4EG2	Solid	unknown-01	*	280.000	J		
P4239-06	A4EG2	Solid	Total Alkanes	*	300.000		72	250 ug/Kg
Total Tics :				1,560.00				
P4239-06	A4EG2	Solid	Anthracene		100.000	J	64	250 ug/Kg
P4239-06	A4EG2	Solid	Benzo(a)anthracene		510.000		58	250 ug/Kg
P4239-06	A4EG2	Solid	Benzo(a)pyrene		340.000		63	250 ug/Kg
P4239-06	A4EG2	Solid	Benzo(b)fluoranthene		850.000		63	250 ug/Kg
P4239-06	A4EG2	Solid	Benzo(k)fluoranthene		270.000		67	250 ug/Kg
P4239-06	A4EG2	Solid	Bis(2-ethylhexyl)phthalate		290.000		66	250 ug/Kg
P4239-06	A4EG2	Solid	Carbazole		68.000	J	67	490 ug/Kg
P4239-06	A4EG2	Solid	Chrysene		630.000		67	250 ug/Kg
P4239-06	A4EG2	Solid	Dibenzo(a,h)anthracene		100.000	J	55	250 ug/Kg
P4239-06	A4EG2	Solid	Fluoranthene		1,200.000		66	250 ug/Kg
P4239-06	A4EG2	Solid	Indeno(1,2,3-cd)pyrene		270.000		55	250 ug/Kg
P4239-06	A4EG2	Solid	Phenanthrene		530.000		66	250 ug/Kg
P4239-06	A4EG2	Solid	Pyrene		820.000		66	250 ug/Kg
Total Svoc :				5,978.00				
Total Concentration:				7,538.00				

Client ID : A4EG3

P4239-07	A4EG3	Solid	(DEL) Alkane: Cyclic21.062	*	99.000	J		
P4239-07	A4EG3	Solid	4H-Cyclopenta[def]phenanthrene	*	120.000	J		
P4239-07	A4EG3	Solid	Benzophenone	*	120.000	J		
P4239-07	A4EG3	Solid	Hexanedioic acid, bis(2-ethylhexy	*	910.000	J		
P4239-07	A4EG3	Solid	n-Hexadecanoic acid	*	170.000	J		

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4239-07	A4EG3	Solid	Total Alkanes	*	99.000	70	250	ug/Kg
Total Tics :				1,518.00				
P4239-07	A4EG3	Solid	Benzo(a)anthracene		220.000	J 57	250	ug/Kg
P4239-07	A4EG3	Solid	Benzo(a)pyrene		130.000	J 61	250	ug/Kg
P4239-07	A4EG3	Solid	Benzo(b)fluoranthene		290.000	61	250	ug/Kg
P4239-07	A4EG3	Solid	Benzo(k)fluoranthene		110.000	J 65	250	ug/Kg
P4239-07	A4EG3	Solid	Bis(2-ethylhexyl)phthalate		170.000	J 64	250	ug/Kg
P4239-07	A4EG3	Solid	Chrysene		240.000	J 65	250	ug/Kg
P4239-07	A4EG3	Solid	Fluoranthene		520.000	64	250	ug/Kg
P4239-07	A4EG3	Solid	Indeno(1,2,3-cd)pyrene		92.000	J 54	250	ug/Kg
P4239-07	A4EG3	Solid	Phenanthrene		290.000	64	250	ug/Kg
P4239-07	A4EG3	Solid	Pyrene		350.000	64	250	ug/Kg
Total Svoc :				2,412.00				
Total Concentration:				3,930.00				
Client ID : A4EG7								
P4239-08	A4EG7	Solid	(DEL) Alkane: Straight-Chain21.(	*	120.000	J		
P4239-08	A4EG7	Solid	Benzophenone	*	250.000	J		
P4239-08	A4EG7	Solid	n-Hexadecanoic acid	*	190.000	J		
P4239-08	A4EG7	Solid	unknown-01	*	130.000	J		
P4239-08	A4EG7	Solid	Total Alkanes	*	120.000	73	260	ug/Kg
Total Tics :				810.00				
Total Concentration:				810.00				
Client ID : A4ET3								
P4239-09	A4ET3	Solid	2-Chlorocyclohexanol	*	540.000	J		
P4239-09	A4ET3	Solid	2-Cyclohexen-1-one	*	890.000	J		
P4239-09	A4ET3	Solid	Cyclohexene	*	11,000.000	J		
P4239-09	A4ET3	Solid	n-Hexadecanoic acid	*	180.000	J		
P4239-09	A4ET3	Solid	unknown-01	*	180.000	J		
P4239-09	A4ET3	Solid	Total Alkanes	*	0.000	110	400	ug/Kg
Total Tics :				12,790.00				
P4239-09	A4ET3	Solid	Benzo(a)anthracene		230.000	J 91	400	ug/Kg
P4239-09	A4ET3	Solid	Benzo(a)pyrene		150.000	J 98	400	ug/Kg
P4239-09	A4ET3	Solid	Benzo(b)fluoranthene		400.000	98	400	ug/Kg
P4239-09	A4ET3	Solid	Benzo(k)fluoranthene		130.000	J 110	400	ug/Kg
P4239-09	A4ET3	Solid	Bis(2-ethylhexyl)phthalate		130.000	J 100	400	ug/Kg
P4239-09	A4ET3	Solid	Chrysene		300.000	J 110	400	ug/Kg
P4239-09	A4ET3	Solid	Fluoranthene		550.000	100	400	ug/Kg
P4239-09	A4ET3	Solid	Indeno(1,2,3-cd)pyrene		120.000	J 87	400	ug/Kg
P4239-09	A4ET3	Solid	Phenanthrene		220.000	J 100	400	ug/Kg
P4239-09	A4ET3	Solid	Pyrene		370.000	J 100	400	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Svoc :				2,600.00				
Total Concentration:				15,390.00				
Client ID :	A4ET4							
P4239-10	A4ET4	Solid	2-Chlorocyclohexanol	*	400.000	J		
P4239-10	A4ET4	Solid	2-Cyclohexen-1-one	*	660.000	J		
P4239-10	A4ET4	Solid	4H-Cyclopenta[def]phenanthrene	*	120.000	J		
P4239-10	A4ET4	Solid	Cyclobutane, ethenyl-	*	9,100.000	J		
P4239-10	A4ET4	Solid	n-Hexadecanoic acid	*	140.000	J		
P4239-10	A4ET4	Solid	Total Alkanes	*	0.000		82	290 ug/Kg
Total Tics :				10,420.00				
P4239-10	A4ET4	Solid	Benzo(a)anthracene		160.000	J	67	290 ug/Kg
P4239-10	A4ET4	Solid	Benzo(a)pyrene		87.000	J	72	290 ug/Kg
P4239-10	A4ET4	Solid	Benzo(b)fluoranthene		200.000	J	72	290 ug/Kg
P4239-10	A4ET4	Solid	Bis(2-ethylhexyl)phthalate		220.000	J	75	290 ug/Kg
P4239-10	A4ET4	Solid	Chrysene		180.000	J	77	290 ug/Kg
P4239-10	A4ET4	Solid	Fluoranthene		400.000		75	290 ug/Kg
P4239-10	A4ET4	Solid	Phenanthrene		330.000		75	290 ug/Kg
P4239-10	A4ET4	Solid	Pyrene		290.000		75	290 ug/Kg
Total Svoc :				1,867.00				
Total Concentration:				12,287.00				
Client ID :	A4EM6							
P4239-15	A4EM6	Solid	Benzophenone	*	250.000	J		
P4239-15	A4EM6	Solid	n-Hexadecanoic acid	*	250.000	J		
P4239-15	A4EM6	Solid	Pentadecafluorooctanoic acid, octa	*	120.000	J		
P4239-15	A4EM6	Solid	Total Alkanes	*	0.000		75	260 ug/Kg
Total Tics :				620.00				
P4239-15	A4EM6	Solid	Benzo(a)anthracene		77.000	J	61	260 ug/Kg
P4239-15	A4EM6	Solid	Benzo(a)pyrene		68.000	J	65	260 ug/Kg
P4239-15	A4EM6	Solid	Benzo(b)fluoranthene		90.000	J	65	260 ug/Kg
P4239-15	A4EM6	Solid	Chrysene		82.000	J	70	260 ug/Kg
P4239-15	A4EM6	Solid	Fluoranthene		170.000	J	68	260 ug/Kg
P4239-15	A4EM6	Solid	Phenanthrene		120.000	J	68	260 ug/Kg
P4239-15	A4EM6	Solid	Pyrene		160.000	J	68	260 ug/Kg
Total Svoc :				767.00				
Total Concentration:				1,387.00				
Client ID :	A4EP3							
P4239-16	A4EP3	Solid	(DEL) Alkane: Straight-Chain22.1	*	170.000	J		
P4239-16	A4EP3	Solid	11H-Benzo[b]fluorene	*	130.000	J		
P4239-16	A4EP3	Solid	2-Chlorocyclohexanol	*	330.000	J		

Hit Summary Sheet SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4239-16	A4EP3	Solid	2-Cyclohexen-1-one	*	550.000	J		
P4239-16	A4EP3	Solid	4H-Cyclopenta[def]phenanthrene	*	210.000	J		
P4239-16	A4EP3	Solid	9,10-Anthracenedione	*	130.000	J		
P4239-16	A4EP3	Solid	Benzophenone	*	110.000	J		
P4239-16	A4EP3	Solid	Cyclohexene	*	6,400.000	J		
P4239-16	A4EP3	Solid	n-Hexadecanoic acid	*	720.000	J		
P4239-16	A4EP3	Solid	Pentadecafluorooctanoic acid, oct:	*	250.000	J		
P4239-16	A4EP3	Solid	Total Alkanes	*	170.000		71	250 ug/Kg
Total Tics :					9,170.00			
P4239-16	A4EP3	Solid	Acenaphthylene		64.000	J	63	250 ug/Kg
P4239-16	A4EP3	Solid	Anthracene		130.000	J	63	250 ug/Kg
P4239-16	A4EP3	Solid	Benzo(a)anthracene		630.000		57	250 ug/Kg
P4239-16	A4EP3	Solid	Benzo(a)pyrene		410.000		62	250 ug/Kg
P4239-16	A4EP3	Solid	Benzo(b)fluoranthene		1,100.000		62	250 ug/Kg
P4239-16	A4EP3	Solid	Benzo(g,h,i)perylene		56.000	J	52	250 ug/Kg
P4239-16	A4EP3	Solid	Benzo(k)fluoranthene		370.000		66	250 ug/Kg
P4239-16	A4EP3	Solid	Bis(2-ethylhexyl)phthalate		600.000		65	250 ug/Kg
P4239-16	A4EP3	Solid	Butylbenzylphthalate		55.000	J	47	250 ug/Kg
P4239-16	A4EP3	Solid	Carbazole		80.000	J	66	490 ug/Kg
P4239-16	A4EP3	Solid	Chrysene		800.000		66	250 ug/Kg
P4239-16	A4EP3	Solid	Dibenzo(a,h)anthracene		140.000	J	54	250 ug/Kg
P4239-16	A4EP3	Solid	Fluoranthene		1,600.000		65	250 ug/Kg
P4239-16	A4EP3	Solid	Indeno(1,2,3-cd)pyrene		340.000		54	250 ug/Kg
P4239-16	A4EP3	Solid	Phenanthrene		620.000		65	250 ug/Kg
P4239-16	A4EP3	Solid	Pyrene		1,000.000		65	250 ug/Kg
Total Svoc :					7,995.00			
Total Concentration:					17,165.00			
Client ID : A4EP4								
P4239-17	A4EP4	Solid	(DEL) Alkane: Straight-Chain21.(	*	220.000	J		
P4239-17	A4EP4	Solid	Benzophenone	*	230.000	J		
P4239-17	A4EP4	Solid	n-Hexadecanoic acid	*	320.000	J		
P4239-17	A4EP4	Solid	Total Alkanes	*	220.000		79	280 ug/Kg
Total Tics :					990.00			
P4239-17	A4EP4	Solid	Fluoranthene		110.000	J	73	280 ug/Kg
P4239-17	A4EP4	Solid	Pyrene		93.000	J	73	280 ug/Kg
Total Svoc :					203.00			
Total Concentration:					1,193.00			
Client ID : A4EP5								
P4239-18	A4EP5	Solid	(DEL) Alkane: Straight-Chain21.(	*	190.000	J		
P4239-18	A4EP5	Solid	Benzophenone	*	240.000	J		

Hit Summary Sheet
SW-846

SDG No.: BM101424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4239-18	A4EP5	Solid	n-Hexadecanoic acid	*	360.000	J		
P4239-18	A4EP5	Solid	Total Alkanes	*	190.000	79	280	ug/Kg
Total Tics :					980.00			
P4239-18	A4EP5	Solid	Benzo(a)anthracene		73.000	J 64	280	ug/Kg
P4239-18	A4EP5	Solid	Benzo(a)pyrene		76.000	J 69	280	ug/Kg
P4239-18	A4EP5	Solid	Benzo(b)fluoranthene		97.000	J 69	280	ug/Kg
P4239-18	A4EP5	Solid	Bis(2-ethylhexyl)phthalate		1,200.000	72	280	ug/Kg
P4239-18	A4EP5	Solid	Chrysene		78.000	J 74	280	ug/Kg
P4239-18	A4EP5	Solid	Fluoranthene		150.000	J 72	280	ug/Kg
P4239-18	A4EP5	Solid	Pyrene		130.000	J 72	280	ug/Kg
Total Svoc :					1,804.00			
Total Concentration:					2,784.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BM092724

SAS No.: BM092724

SDG No.: BM092724

Instrument ID: _____

Calibration Date(s): 9/27/2024 : _____

Calibration Time(s): 18:16 _____

LAB FILE ID:		RRFAL1 = BM047679.D			RRFAL2 = BM047680.D		RRFAL3 = BM047681.D	
		RRFAL4 = BM047682.D			RRFAL5 = BM047683.D		RRFAL6 = BM047684.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.671	0.724	0.713	0.649	0.623		0.676	6.3
Benzaldehyde		1.153	1.250	1.163	0.824	0.752	1.028	21.8
Pyridine		1.986	1.962	1.928	1.863	1.799	1.908	4.0
Hexachloroethane	0.613	0.672	0.661	0.664	0.667		0.655	3.7
Nitrobenzene	0.396	0.468	0.449	0.470	0.479		0.452	7.4
Isophorone	0.663	0.825	0.821	0.856	0.881		0.809	10.5
2-Nitrophenol	0.133	0.171	0.176	0.189	0.204		0.175	15.1
2,4-Dimethylphenol	0.317	0.379	0.378	0.386	0.409		0.374	9.1
Bis(2-Chloroethoxy)methane	0.438	0.518	0.500	0.504	0.515		0.495	6.6
2,4-Dichlorophenol	0.260	0.319	0.319	0.330	0.345		0.315	10.2
Naphthalene	1.059	1.212	1.151	1.154	1.176		1.150	4.9
4-Chloroaniline		0.451	0.455	0.468	0.487	0.459	0.464	3.1
Hexachlorobutadiene	0.193	0.222	0.208	0.207	0.210		0.208	5.0
Phenol		1.896	1.915	2.021	2.098	2.131	2.012	5.2
Caprolactam		0.085	0.093	0.104	0.108	0.112	0.101	11.0
4-Chloro-3-methylphenol	0.261	0.315	0.327	0.352	0.375		0.326	13.2
1-Methylnaphthalene	0.652	0.762	0.740	0.769	0.796		0.744	7.4
2-Methylnaphthalene	0.639	0.747	0.723	0.758	0.788		0.731	7.7
Hexachlorocyclopentadiene		0.389	0.384	0.393	0.404	0.399	0.394	2.1
2,4,6-Trichlorophenol	0.289	0.381	0.385	0.401	0.428		0.377	13.9
2,4,5-Trichlorophenol	0.326	0.424	0.413	0.435	0.462		0.412	12.5
1,1-Biphenyl	1.442	1.703	1.600	1.612	1.650		1.601	6.1
2-Chloronaphthalene	1.113	1.310	1.243	1.245	1.282		1.238	6.1
2-Nitroaniline	0.290	0.368	0.397	0.440	0.471		0.393	17.7
Bis(2-Chloroethyl)ether		1.597	1.587	1.603	1.630	1.600	1.603	1.0
Dimethylphthalate	1.308	1.529	1.475	1.493	1.538		1.468	6.4
2,6-Dinitrotoluene	0.186	0.241	0.262	0.287	0.313		0.258	18.8
Acenaphthylene	1.661	2.017	1.954	2.026	2.037		1.939	8.2
3-Nitroaniline		0.265	0.301	0.327	0.329	0.340	0.312	9.6
Acenaphthene	1.233	1.440	1.371	1.392	1.417		1.371	5.9
2,4-Dinitrophenol		0.108	0.131	0.158	0.186	0.214	0.159	26.4
4-Nitrophenol		0.215	0.228	0.252	0.265	0.252	0.242	8.4
Dibenzofuran	1.685	1.938	1.851	1.879	1.872		1.845	5.1
2,4-Dinitrotoluene	0.278	0.372	0.397	0.430	0.459		0.387	18.0
Diethylphthalate	1.276	1.521	1.470	1.514	1.565		1.469	7.7
2-Chlorophenol	1.263	1.469	1.475	1.512	1.570		1.458	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BM092724

SAS No.: BM092724

SDG No.: BM092724

Instrument ID:

Calibration Date(s): 9/27/2024

Calibration Time(s): 18:16

LAB FILE ID:		RRFAL1 = BM047679.D			RRFAL2 = BM047680.D		RRFAL3 = BM047681.D	
		RRFAL4 = BM047682.D			RRFAL5 = BM047683.D		RRFAL6 = BM047684.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.354	1.599	1.572	1.596	1.575		1.539	6.8
4-Chlorophenyl-phenylether	0.634	0.754	0.733	0.757	0.759		0.727	7.3
4-Nitroaniline		0.278	0.324	0.343	0.291	0.280	0.303	9.5
4,6-Dinitro-2-methylphenol		0.107	0.118	0.135	0.144	0.144	0.130	12.8
N-Nitrosodiphenylamine	0.538	0.646	0.637	0.652	0.643		0.623	7.7
1,2,4,5-Tetrachlorobenzene	0.595	0.689	0.647	0.651	0.674		0.651	5.5
4-Bromophenyl-phenylether	0.182	0.214	0.204	0.213	0.218		0.206	7.0
Hexachlorobenzene	0.213	0.248	0.239	0.246	0.254		0.240	6.6
Atrazine		0.207	0.206	0.215	0.225	0.184	0.207	7.4
Pentachlorophenol		0.130	0.138	0.153	0.170	0.172	0.153	12.2
2-Methylphenol		1.296	1.306	1.405	1.494	1.515	1.403	7.3
Phenanthrene	1.063	1.218	1.183	1.198	1.203		1.173	5.4
Pentachlorobenzene	0.311	0.339	0.318	0.325	0.324		0.323	3.2
Anthracene	1.051	1.237	1.210	1.252	1.232		1.196	6.9
1,2,3,4-Tetrachlorobenzene	0.309	0.355	0.328	0.329	0.335		0.331	5.0
Carbazole		1.079	1.078	1.125	1.112	1.028	1.084	3.5
Di-n-butylphthalate	0.956	1.180	1.209	1.314	1.377		1.207	13.4
Fluoranthene	1.192	1.374	1.326	1.375	1.417		1.337	6.5
Pyrene	1.326	1.548	1.474	1.545	1.547		1.488	6.4
Butylbenzylphthalate	0.400	0.496	0.512	0.578	0.644		0.526	17.4
3,3-Dichlorobenzidine		0.391	0.411	0.442	0.455	0.414	0.423	6.1
2,2-oxybis(1-Chloropropane)		3.100	3.033	3.057	3.063	2.839	3.018	3.4
Benzo(a)anthracene	1.266	1.453	1.388	1.434	1.461		1.400	5.7
Chrysene	1.267	1.430	1.363	1.387	1.379		1.365	4.4
Bis(2-ethylhexyl)phthalate	0.571	0.746	0.778	0.902	0.951		0.790	18.8
Di-n-octyl phthalate		1.041	1.121	1.350	1.481	1.456	1.290	15.4
Benzo(b)fluoranthene	1.082	1.294	1.241	1.299	1.321		1.247	7.8
Benzo(k)fluoranthene	1.095	1.325	1.245	1.348	1.365		1.275	8.7
Benzo(a)pyrene	1.006	1.221	1.170	1.253	1.272		1.185	9.0
Indeno(1,2,3-cd)pyrene	1.315	1.579	1.491	1.572	1.632		1.518	8.2
Dibenzo(a,h)anthracene	1.078	1.279	1.213	1.291	1.360		1.244	8.6
Benzo(g,h,i)perylene	1.053	1.236	1.171	1.227	1.259		1.189	7.0
Acetophenone		2.324	2.336	2.451	2.530	2.388	2.406	3.6
2,3,4,6-Tetrachlorophenol	0.252	0.319	0.333	0.352	0.368		0.325	13.8
1,4-Dioxane-d8	0.649	0.654	0.641	0.589	0.561		0.619	6.7
Pyridine-d5		1.858	1.823	1.840	1.796	1.744	1.812	2.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BM092724

SAS No.: BM092724

SDG No.: BM092724

Instrument ID: _____

Calibration Date(s): 9/27/2024 : _____

Calibration Time(s): 18:16 _____

LAB FILE ID:		RRFAL1 = BM047679.D			RRFAL2 = BM047680.D		RRFAL3 = BM047681.D	
		RRFAL4 = BM047682.D			RRFAL5 = BM047683.D		RRFAL6 = BM047684.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.757	1.800	1.872	1.985	2.042	1.891	6.4
Bis-(2-Chloroethyl)ether-d8		1.366	1.339	1.339	1.360	1.305	1.342	1.8
2-Chlorophenol-d4	1.153	1.367	1.403	1.446	1.510		1.376	9.9
4-Methylphenol-d8		1.277	1.323	1.427	1.498	1.506	1.406	7.3
Nitrobenzene-d5	0.127	0.161	0.161	0.169	0.178		0.159	12.3
2-Nitrophenol-d4	0.115	0.145	0.148	0.169	0.187		0.153	17.8
2,4-Dichlorophenol-d3	0.243	0.309	0.308	0.323	0.341		0.305	12.1
4-Chloroaniline-d4		0.456	0.455	0.474	0.499	0.473	0.471	3.8
4-Methylphenol		1.494	1.481	1.594	1.666	1.649	1.577	5.4
Dimethylphthalate-d6	1.296	1.500	1.447	1.482	1.525		1.450	6.2
Acenaphthylene-d8	1.440	1.765	1.733	1.812	1.847		1.719	9.4
4-Nitrophenol-d4		0.238	0.267	0.298	0.322	0.319	0.289	12.5
Fluorene-d10	1.094	1.290	1.261	1.300	1.335		1.256	7.5
4,6-Dinitro-2-methylphenol-		0.092	0.103	0.121	0.134	0.135	0.117	16.2
Anthracene-d10	0.860	1.003	0.983	1.025	1.046		0.983	7.4
Pyrene-d10	0.983	1.161	1.119	1.181	1.232		1.135	8.3
Benzo(a)pyrene-d12	0.862	1.064	1.026	1.096	1.140		1.038	10.3
N-Nitroso-di-n-propylamine	1.034	1.260	1.284	1.385	1.409		1.274	11.7

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020022 Date Analyzed: Oct 14 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 12:55

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	138731	7.816	553617	10.61	324022	14.45
	UPPER LIMIT	277462	8.316	1107234	11.11	648044	14.951
	LOWER LIMIT	69365.5	7.316	276808.5	10.11	162011	13.951
	EPA SAMPLE NO.						
01	SBLK884	215768	7.78	827329	10.58	501623	14.42
02	A4EG1	369633 *	7.78	1.48193e *	10.58	903193 *	14.42
03	A4EG2	323822 *	7.79	1.25547e *	10.58	761835 *	14.42
04	A4EP3	329148 *	7.78	1.28529e *	10.58	766440 *	14.42
05	A4EP4	392545 *	7.79	1.53078e *	10.58	905464 *	14.42
06	A4EP5	387460 *	7.78	1.54011e *	10.57	939629 *	14.42
07	A4EM6	342539 *	7.79	1.36453e *	10.58	834878 *	14.42
08	SBLK884	245281	7.78	980955	10.58	603483	14.42
09	A4ET4	276995	7.78	1.08348e	10.58	644664	14.42
10	A4EG3	298875 *	7.78	1.17693e *	10.57	706615 *	14.42
11	A4ET3	359130 *	7.78	1.42364e *	10.58	869587 *	14.42
12	A4F08	366119 *	7.79	1.45198e *	10.58	885996 *	14.42
13	A4EG7	388414 *	7.78	1.5389e+ *	10.58	925101 *	14.42
14	A4F13	289992 *	7.78	1.14255e *	10.58	695564 *	14.42
15	A4F18	237801	7.78	942758	10.58	583761	14.42
16	A4EY6	293756 *	7.78	1.16406e *	10.58	717702 *	14.42
17	A4F02	238320	7.78	928319	10.57	563311	14.42
18	A4F06	255485	7.78	1.00499e	10.58	608425	14.42
19	A4F07	284611 *	7.78	1.08578e	10.58	637831	14.42
20	A4EQ8	247951	7.78	962965	10.58	586745	14.42
21	A4F12	276691	7.78	1.09678e	10.58	674992 *	14.42
22	SBLK836	260507	7.78	1.01352e	10.58	597731	14.42
23	A4F14	306249 *	7.78	1.19576e *	10.58	726082 *	14.42

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020022 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 06:06

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	138731	7.816	553617	10.61	324022	14.45
UPPER LIMIT	277462	8.316	1107234	11.11	648044	14.951
LOWER LIMIT	69365.5	7.316	276808.5	10.11	162011	13.951
EPA SAMPLE NO.						
24 A4F15	320738 *	7.78	1.29469e *	10.58	816222 *	14.42
25 A4EY0	272357	7.78	1.1002e+	10.58	671708 *	14.42
26 A4EY7	315104 *	7.78	1.25542e *	10.58	767460 *	14.42
27 A4EZ6	249941	7.79	1.00617e	10.58	634412	14.42
28 A4EZ7	309484 *	7.78	1.24362e *	10.58	760775 *	14.42

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020178 Date Analyzed: Oct 14 2024 12:00AM

Lab File ID: BM048024.D Time Analyzed: 12:55

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	204635	7.781	824482	10.58	513439	14.42
UPPER LIMIT	409270	8.281	1648964	11.075	1026878	14.916
LOWER LIMIT	102317.5	7.281	412241	10.075	256719.5	13.916
EPA SAMPLE NO.						
01 SBLK884	215768	7.78	827329	10.58	501623	14.42
02 A4EG1	369633	7.78	1.48193e	10.58	903193	14.42
03 A4EG2	323822	7.79	1.25547e	10.58	761835	14.42
04 A4EP3	329148	7.78	1.28529e	10.58	766440	14.42
05 A4EP4	392545	7.79	1.53078e	10.58	905464	14.42
06 A4EP5	387460	7.78	1.54011e	10.57	939629	14.42
07 A4EM6	342539	7.79	1.36453e	10.58	834878	14.42

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020179 Date Analyzed: Oct 14 2024 12:00AM

Lab File ID: BM048032.D Time Analyzed: 18:13

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	177255	7.781	724440	10.58	457315	14.42
UPPER LIMIT	354510	8.281	1448880	11.075	914630	14.922
LOWER LIMIT	88627.5	7.281	362220	10.075	228657.5	13.922
EPA SAMPLE NO.						
01 SBLK884	245281	7.78	980955	10.58	603483	14.42
02 A4ET4	276995	7.78	1.08348e	10.58	644664	14.42
03 A4EG3	298875	7.78	1.17693e	10.57	706615	14.42
04 A4ET3	359130 *	7.78	1.42364e	10.58	869587	14.42
05 A4F08	366119 *	7.79	1.45198e *	10.58	885996	14.42
06 A4EG7	388414 *	7.78	1.5389e+ *	10.58	925101 *	14.42
07 A4F13	289992	7.78	1.14255e	10.58	695564	14.42
08 A4F18	237801	7.78	942758	10.58	583761	14.42
09 A4EY6	293756	7.78	1.16406e	10.58	717702	14.42
10 A4F02	238320	7.78	928319	10.57	563311	14.42
11 A4F06	255485	7.78	1.00499e	10.58	608425	14.42
12 A4F07	284611	7.78	1.08578e	10.58	637831	14.42
13 A4EQ8	247951	7.78	962965	10.58	586745	14.42
14 A4F12	276691	7.78	1.09678e	10.58	674992	14.42

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020180 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BM048047.D Time Analyzed: 04:46

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	304449	7.781	1.25562e+01	10.58	783421	14.42
UPPER LIMIT	608898	8.281	2511240	11.075	1566842	14.922
LOWER LIMIT	152224.5	7.281	627810	10.075	391710.5	13.922
EPA SAMPLE NO.						
01 SBLK836	260507	7.78	1.01352e	10.58	597731	14.42
02 A4F14	306249	7.78	1.19576e	10.58	726082	14.42
03 A4F15	320738	7.78	1.29469e	10.58	816222	14.42
04 A4EY0	272357	7.78	1.1002e+	10.58	671708	14.42
05 A4EY7	315104	7.78	1.25542e	10.58	767460	14.42
06 A4EZ6	249941	7.79	1.00617e	10.58	634412	14.42
07 A4EZ7	309484	7.78	1.24362e	10.58	760775	14.42

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020022 Date Analyzed: Oct 14 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 12:55

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	619410	17.186	588645	21.409	637397	24.415
	UPPER LIMIT	1238820	17.686	1177290	21.909	1274794	24.915
	LOWER LIMIT	309705	16.686	294322.5	20.909	318698.5	23.915
	EPA SAMPLE NO.						
01	SBLK884	1.03917	17.16	1.00573e+	21.39	1.20845e+	24.37
02	A4EG1	1.83114*	17.16	1.71338e+ *	21.39	2.04951e+ *	24.39
03	A4EG2	1.54322*	17.16	1.38469e+ *	21.39	1.65322e+ *	24.39
04	A4EP3	1.52084*	17.16	1.30518e+ *	21.39	1.54874e+ *	24.39
05	A4EP4	1.80283*	17.16	1.66046e+ *	21.39	1.9657e+0 *	24.39
06	A4EP5	1.91684*	17.16	1.81307e+ *	21.39	2.14528e+ *	24.39
07	A4EM6	1.6806e*	17.16	1.63465e+ *	21.39	1.93942e+ *	24.39
08	SBLK884	1.23649	17.16	1.28232e+ *	21.39	1.4993e+0 *	24.38
09	A4ET4	1.31292*	17.16	1.2826e+0 *	21.39	1.50438e+ *	24.39
10	A4EG3	1.43463*	17.16	1.35591e+ *	21.39	1.59896e+ *	24.39
11	A4ET3	1.80703*	17.16	1.78328e+ *	21.39	2.07815e+ *	24.38
12	A4F08	1.80727*	17.16	1.72777e+ *	21.39	2.0236e+0 *	24.39
13	A4EG7	1.84325*	17.16	1.75431e+ *	21.39	2.0777e+0 *	24.38
14	A4F13	1.43099*	17.16	1.46737e+ *	21.39	1.73896e+ *	24.38
15	A4F18	1.23371	17.16	1.2735e+0 *	21.39	1.48557e+ *	24.39
16	A4EY6	1.45274*	17.16	1.43082e+ *	21.39	1.67791e+ *	24.38
17	A4F02	1.14461	17.16	1.17497e+	21.39	1.39078e+ *	24.38
18	A4F06	1.23246	17.16	1.18687e+ *	21.39	1.40096e+ *	24.38
19	A4F07	1.26142*	17.16	1.25306e+ *	21.39	1.49926e+ *	24.38
20	A4EQ8	1.1731e	17.16	1.1213e+0	21.39	1.32939e+ *	24.38
21	A4F12	1.37338*	17.16	1.29366e+ *	21.39	1.51373e+ *	24.38

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020022 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 04:46

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	619410	17.186	588645	21.409	637397	24.415
UPPER LIMIT	1238820	17.686	1177290	21.909	1274794	24.915
LOWER LIMIT	309705	16.686	294322.5	20.909	318698.5	23.915
EPA SAMPLE NO.						
22 SBLK836	1.17427	17.16	1.17998e+ *	21.39	1.39558e+ *	24.38
23 A4F14	1.44692*	17.16	1.39737e+ *	21.39	1.6619e+0 *	24.38
24 A4F15	1.69143*	17.16	1.57687e+ *	21.39	1.85372e+ *	24.39
25 A4EY0	1.37201*	17.16	1.23222e+ *	21.39	1.46085e+ *	24.39
26 A4EY7	1.54358*	17.16	1.2262e+0 *	21.39	1.47529e+ *	24.40
27 A4EZ6	1.29427*	17.16	1.1309e+0	21.39	1.34562e+ *	24.39
28 A4EZ7	1.54496*	17.16	1.42136e+ *	21.39	1.68812e+ *	24.39

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020178 Date Analyzed: Oct 14 2024 12:00AM

Lab File ID: BM048024.D Time Analyzed: 12:55

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.0652e+00	17.157	1.04377e+	21.386	1.22881e+00	24.38
UPPER LIMIT	2130400	17.657	2087540	21.886	2457620	24.88
LOWER LIMIT	532600	16.657	521885	20.886	614405	23.88
EPA SAMPLE NO.						
01 SBLK884	1.03917	17.16	1.00573e+	21.39	1.20845e+	24.37
02 A4EG1	1.83114	17.16	1.71338e+	21.39	2.04951e+	24.39
03 A4EG2	1.54322	17.16	1.38469e+	21.39	1.65322e+	24.39
04 A4EP3	1.52084	17.16	1.30518e+	21.39	1.54874e+	24.39
05 A4EP4	1.80283	17.16	1.66046e+	21.39	1.9657e+0	24.39
06 A4EP5	1.91684	17.16	1.81307e+	21.39	2.14528e+	24.39
07 A4EM6	1.6806e	17.16	1.63465e+	21.39	1.93942e+	24.39

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020179 Date Analyzed: Oct 14 2024 12:00AM

Lab File ID: BM048032.D Time Analyzed: 18:13

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	967234	17.163	971572	21.386	1.17642e+01	24.38
UPPER LIMIT	1934468	17.663	1943144	21.886	2352840	24.88
LOWER LIMIT	483617	16.663	485786	20.886	588210	23.88
EPA SAMPLE NO.						
01 SBLK884	1.23649	17.16	1.28232e+	21.39	1.4993e+0	24.38
02 A4ET4	1.31292	17.16	1.2826e+0	21.39	1.50438e+	24.39
03 A4EG3	1.43463	17.16	1.35591e+	21.39	1.59896e+	24.39
04 A4ET3	1.80703	17.16	1.78328e+	21.39	2.07815e+	24.38
05 A4F08	1.80727	17.16	1.72777e+	21.39	2.0236e+0	24.39
06 A4EG7	1.84325	17.16	1.75431e+	21.39	2.0777e+0	24.38
07 A4F13	1.43099	17.16	1.46737e+	21.39	1.73896e+	24.38
08 A4F18	1.23371	17.16	1.2735e+0	21.39	1.48557e+	24.39
09 A4EY6	1.45274	17.16	1.43082e+	21.39	1.67791e+	24.38
10 A4F02	1.14461	17.16	1.17497e+	21.39	1.39078e+	24.38
11 A4F06	1.23246	17.16	1.18687e+	21.39	1.40096e+	24.38
12 A4F07	1.26142	17.16	1.25306e+	21.39	1.49926e+	24.38
13 A4EQ8	1.1731e	17.16	1.1213e+0	21.39	1.32939e+	24.38
14 A4F12	1.37338	17.16	1.29366e+	21.39	1.51373e+	24.38

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.: BM101424 SAS No.: BM101424 SDG NO.: BM101424

EPA Sample No.: SSTD020180 Date Analyzed: Oct 15 2024 12:00AM

Lab File ID: BM048047.D Time Analyzed: 04:46

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.65571e+01	17.163	1.60011e+01	21.392	1.92635e+01	24.386
UPPER LIMIT	3311420	17.663	3200220	21.892	3852700	24.886
LOWER LIMIT	827855	16.663	800055	20.892	963175	23.886
EPA SAMPLE NO.						
01 SBLK836	1.17427	17.16	1.17998e+01	21.39	1.39558e+01	24.38
02 A4F14	1.44692	17.16	1.39737e+01	21.39	1.6619e+01	24.38
03 A4F15	1.69143	17.16	1.57687e+01	21.39	1.85372e+01	24.39
04 A4EY0	1.37201	17.16	1.23222e+01	21.39	1.46085e+01	24.39
05 A4EY7	1.54358	17.16	1.2262e+01	21.39	1.47529e+01	24.40
06 A4EZ6	1.29427	17.16	1.1309e+01	21.39	1.34562e+01	24.39
07 A4EZ7	1.54496	17.16	1.42136e+01	21.39	1.68812e+01	24.39

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method:

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK836

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101424

SAS No.: BM101424 SDG NO.: BM101424

Lab File ID: BM048048.D

Lab Sample ID: PB163836BL

Instrument ID: BNA_M

Date Extracted: 10/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/15/2024

Level: (low/med) LOW

Time Analyzed: 04:46

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4F14	P4238-04	BM048049.D	10/15/2024
A4F15	P4238-05	BM048050.D	10/15/2024
A4EY0	P4238-08	BM048051.D	10/15/2024
A4EY7	P4238-11	BM048052.D	10/15/2024
A4EZ6	P4238-14	BM048053.D	10/15/2024
A4EZ7	P4238-15	BM048054.D	10/15/2024
A4F13	P4238-03	BM048039.D	10/14/2024
A4F18	P4238-06	BM048040.D	10/14/2024
A4EY6	P4238-10	BM048041.D	10/14/2024
A4F02	P4238-18	BM048042.D	10/15/2024
A4F06	P4238-19	BM048043.D	10/15/2024
A4F07	P4238-20	BM048044.D	10/15/2024
A4EQ8	P4238-01	BM048045.D	10/15/2024
A4F12	P4238-02	BM048046.D	10/15/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK884

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101424

SAS No.: BM101424 SDG NO.: BM101424

Lab File ID: BM048025.D

Lab Sample ID: PB163884BL

Instrument ID: BNA_M

Date Extracted: 10/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/14/2024

Level: (low/med) LOW

Time Analyzed: 12:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4ET4	P4239-10	BM048034.D	10/14/2024
A4EG3	P4239-07	BM048035.D	10/14/2024
A4ET3	P4239-09	BM048036.D	10/14/2024
A4F08	P4239-01	BM048037.D	10/14/2024
A4EG7	P4239-08	BM048038.D	10/14/2024
A4EG1	P4239-05	BM048026.D	10/14/2024
A4EG2	P4239-06	BM048027.D	10/14/2024
A4EP3	P4239-16	BM048028.D	10/14/2024
A4EP4	P4239-17	BM048029.D	10/14/2024
A4EP5	P4239-18	BM048030.D	10/14/2024
A4EM6	P4239-15	BM048031.D	10/14/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4238-01	A4EQ8	BM048045.D	1,4-Dioxane-d8	8	2.67	33		15	120
			Pyridine-d5	40	11.99	30		20	120
			Phenol-d5	40	15.52	39		10	130
			Bis(2-Chloroethyl)ether-d8	40	12.75	32		10	150
			2-Chlorophenol-d4	40	18.05	45		15	120
			4-Methylphenol-d8	40	16.56	41		10	140
			Nitrobenzene-d5	40	18.78	47		10	135
			2-Nitrophenol-d4	40	21.98	55		10	120
			2,4-Dichlorophenol-d3	40	19.31	48		10	140
			4-Chloroaniline-d4	40	16.02	40		1	145
			Dimethylphthalate-d6	40	19.55	49		10	145
			Acenaphthylene-d8	40	19.94	50		15	120
			4-Nitrophenol-d4	40	12.93	32		10	150
			Fluorene-d10	40	20.40	51		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.70	27		10	130
			Anthracene-d10	40	20.08	50		10	150
			Pyrene-d10	40	21.63	54		10	130
			Benzo(a)pyrene-d12	40	21.04	53		10	140
P4238-02	A4F12	BM048046.D	1,4-Dioxane-d8	8	1.21	15		15	120
			Pyridine-d5	40	0.72	2	*	20	120
			Phenol-d5	40	6.38	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.54	14		10	150
			2-Chlorophenol-d4	40	7.80	19		15	120
			4-Methylphenol-d8	40	5.65	14		10	140
			Nitrobenzene-d5	40	7.62	19		10	135
			2-Nitrophenol-d4	40	8.55	21		10	120
			2,4-Dichlorophenol-d3	40	7.81	20		10	140
			4-Chloroaniline-d4	40	1.69	4		1	145
			Dimethylphthalate-d6	40	8.27	21		10	145
			Acenaphthylene-d8	40	8.20	21		15	120
			4-Nitrophenol-d4	40	4.00	10		10	150
			Fluorene-d10	40	8.87	22		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.79	9	*	10	130
			Anthracene-d10	40	8.49	21		10	150
			Pyrene-d10	40	8.47	21		10	130
			Benzo(a)pyrene-d12	40	6.11	15		10	140
P4238-03	A4F13	BM048039.D	Pyridine-d5	40	0.64	2	*	20	120
			1,4-Dioxane-d8	8	1.74	22		15	120
			Phenol-d5	40	9.43	24		10	130
			Bis(2-Chloroethyl)ether-d8	40	8.04	20		10	150
			2-Chlorophenol-d4	40	11.27	28		15	120
			4-Methylphenol-d8	40	8.96	22		10	140
			Nitrobenzene-d5	40	11.13	28		10	135
			2-Nitrophenol-d4	40	12.68	32		10	120
			2,4-Dichlorophenol-d3	40	11.22	28		10	140
			4-Chloroaniline-d4	40	7.30	18		1	145
			Dimethylphthalate-d6	40	11.03	28		10	145
			Acenaphthylene-d8	40	11.24	28		15	120
			4-Nitrophenol-d4	40	6.99	17		10	150

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4238-03	A4F13	BM048039.D	Fluorene-d10	40	11.55	29		20	140
			4,6-Dinitro-2-methylphenol-d2	40	5.44	14		10	130
			Anthracene-d10	40	11.19	28		10	150
			Pyrene-d10	40	11.07	28		10	130
			Benzo(a)pyrene-d12	40	8.82	22		10	140
P4238-04	A4F14	BM048049.D	1,4-Dioxane-d8	8	2.27	28		15	120
			Pyridine-d5	40	9.52	24		20	120
			Phenol-d5	40	12.99	32		10	130
			Bis(2-Chloroethyl)ether-d8	40	10.61	27		10	150
			2-Chlorophenol-d4	40	15.05	38		15	120
			4-Methylphenol-d8	40	13.83	35		10	140
			Nitrobenzene-d5	40	15.24	38		10	135
			2-Nitrophenol-d4	40	17.81	45		10	120
			2,4-Dichlorophenol-d3	40	15.98	40		10	140
			4-Chloroaniline-d4	40	12.75	32		1	145
			Dimethylphthalate-d6	40	16.34	41		10	145
			Acenaphthylene-d8	40	16.53	41		15	120
			4-Nitrophenol-d4	40	11.46	29		10	150
			Fluorene-d10	40	17.12	43		20	140
			4,6-Dinitro-2-methylphenol-d2	40	9.90	25		10	130
			Anthracene-d10	40	17.04	43		10	150
			Pyrene-d10	40	18.08	45		10	130
			Benzo(a)pyrene-d12	40	17.93	45		10	140
			1,4-Dioxane-d8	8	1.08	14	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
P4238-05	A4F15	BM048050.D	Phenol-d5	40	6.14	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.25	13		10	150
			2-Chlorophenol-d4	40	7.58	19		15	120
			4-Methylphenol-d8	40	5.48	14		10	140
			Nitrobenzene-d5	40	7.19	18		10	135
			2-Nitrophenol-d4	40	8.19	20		10	120
			2,4-Dichlorophenol-d3	40	7.43	19		10	140
			4-Chloroaniline-d4	40	0.85	2		1	145
			Dimethylphthalate-d6	40	7.37	18		10	145
			Acenaphthylene-d8	40	7.30	18		15	120
			4-Nitrophenol-d4	40	4.41	11		10	150
			Fluorene-d10	40	7.89	20		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.70	9	*	10	130
			Anthracene-d10	40	7.70	19		10	150
			Pyrene-d10	40	7.60	19		10	130
			Benzo(a)pyrene-d12	40	5.39	13		10	140
			1,4-Dioxane-d8	8	2.01	25		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	10.87	27		10	130
			Bis(2-Chloroethyl)ether-d8	40	9.17	23		10	150
P4238-06	A4F18	BM048040.D	2-Chlorophenol-d4	40	12.89	32		15	120
			4-Methylphenol-d8	40	10.00	25		10	140
			Nitrobenzene-d5	40	12.43	31		10	135
			2-Nitrophenol-d4	40	14.01	35		10	120

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4238-06	A4F18	BM048040.D	2,4-Dichlorophenol-d3	40	12.72	32		10	140
			4-Chloroaniline-d4	40	8.99	22		1	145
			Dimethylphthalate-d6	40	12.76	32		10	145
			Acenaphthylene-d8	40	12.94	32		15	120
			4-Nitrophenol-d4	40	8.55	21		10	150
			Fluorene-d10	40	13.53	34		20	140
			4,6-Dinitro-2-methylphenol-d2	40	6.13	15		10	130
			Anthracene-d10	40	12.97	32		10	150
			Pyrene-d10	40	12.84	32		10	130
			Benzo(a)pyrene-d12	40	9.79	24		10	140
P4238-08	A4EY0	BM048051.D	1,4-Dioxane-d8	8	1.12	14	*	15	120
			Pyridine-d5	40	0.58	1	*	20	120
			Phenol-d5	40	5.95	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	4.93	12		10	150
			2-Chlorophenol-d4	40	7.12	18		15	120
			4-Methylphenol-d8	40	6.00	15		10	140
			Nitrobenzene-d5	40	6.65	17		10	135
			2-Nitrophenol-d4	40	7.68	19		10	120
			2,4-Dichlorophenol-d3	40	7.06	18		10	140
			4-Chloroaniline-d4	40	1.13	3		1	145
			Dimethylphthalate-d6	40	7.18	18		10	145
			Acenaphthylene-d8	40	7.10	18		15	120
			4-Nitrophenol-d4	40	3.53	9	*	10	150
			Fluorene-d10	40	7.51	19	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	2.75	7	*	10	130
			Anthracene-d10	40	7.44	19		10	150
			Pyrene-d10	40	7.36	18		10	130
			Benzo(a)pyrene-d12	40	5.16	13		10	140
P4238-10	A4EY6	BM048041.D	1,4-Dioxane-d8	8	1.85	23		15	120
			Pyridine-d5	40	7.92	20		20	120
			Phenol-d5	40	10.31	26		10	130
			Bis(2-Chloroethyl)ether-d8	40	8.49	21		10	150
			2-Chlorophenol-d4	40	12.29	31		15	120
			4-Methylphenol-d8	40	11.25	28		10	140
			Nitrobenzene-d5	40	12.23	31		10	135
			2-Nitrophenol-d4	40	14.35	36		10	120
			2,4-Dichlorophenol-d3	40	12.81	32		10	140
			4-Chloroaniline-d4	40	10.67	27		1	145
			Dimethylphthalate-d6	40	13.31	33		10	145
			Acenaphthylene-d8	40	13.20	33		15	120
			4-Nitrophenol-d4	40	7.28	18		10	150
			Fluorene-d10	40	13.94	35		20	140
			4,6-Dinitro-2-methylphenol-d2	40	7.09	18		10	130
			Anthracene-d10	40	13.71	34		10	150
			Pyrene-d10	40	14.77	37		10	130
			Benzo(a)pyrene-d12	40	14.69	37		10	140
P4238-11	A4EY7	BM048052.D	1,4-Dioxane-d8	8	0.79	10	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	8.78	22		10	130

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4238-11	A4EY7	BM048052.D	Bis(2-Chloroethyl)ether-d8	40	7.03	18		10	150
			2-Chlorophenol-d4	40	10.41	26		15	120
			4-Methylphenol-d8	40	8.75	22		10	140
			Nitrobenzene-d5	40	10.54	26		10	135
			2-Nitrophenol-d4	40	12.48	31		10	120
			2,4-Dichlorophenol-d3	40	11.02	28		10	140
			4-Chloroaniline-d4	40	0.63	2		1	145
			Dimethylphthalate-d6	40	10.87	27		10	145
			Acenaphthylene-d8	40	11.05	28		15	120
			4-Nitrophenol-d4	40	7.42	19		10	150
			Fluorene-d10	40	11.37	28		20	140
			4,6-Dinitro-2-methylphenol-d2	40	4.54	11		10	130
			Anthracene-d10	40	11.14	28		10	150
			Pyrene-d10	40	11.77	29		10	130
			Benzo(a)pyrene-d12	40	7.79	19		10	140
P4238-14	A4EZ6	BM048053.D	1,4-Dioxane-d8	8	1.15	14	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	6.11	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.45	14		10	150
			2-Chlorophenol-d4	40	7.86	20		15	120
			4-Methylphenol-d8	40	4.97	12		10	140
			Nitrobenzene-d5	40	8.00	20		10	135
			2-Nitrophenol-d4	40	9.25	23		10	120
			2,4-Dichlorophenol-d3	40	8.18	20		10	140
			4-Chloroaniline-d4	40	2.13	5		1	145
			Dimethylphthalate-d6	40	8.86	22		10	145
			Acenaphthylene-d8	40	8.88	22		15	120
			4-Nitrophenol-d4	40	4.08	10		10	150
			Fluorene-d10	40	9.53	24		20	140
			4,6-Dinitro-2-methylphenol-d2	40	2.81	7	*	10	130
			Anthracene-d10	40	9.48	24		10	150
			Pyrene-d10	40	9.71	24		10	130
P4238-15	A4EZ7	BM048054.D	Benzo(a)pyrene-d12	40	6.63	17		10	140
			1,4-Dioxane-d8	8	2.08	26		15	120
			Pyridine-d5	40	5.67	14	*	20	120
			Phenol-d5	40	12.47	31		10	130
			Bis(2-Chloroethyl)ether-d8	40	10.28	26		10	150
			2-Chlorophenol-d4	40	15.11	38		15	120
			4-Methylphenol-d8	40	12.22	31		10	140
			Nitrobenzene-d5	40	15.38	38		10	135
			2-Nitrophenol-d4	40	18.34	46		10	120
			2,4-Dichlorophenol-d3	40	16.73	42		10	140
			4-Chloroaniline-d4	40	10.44	26		1	145
			Dimethylphthalate-d6	40	17.42	44		10	145
			Acenaphthylene-d8	40	17.77	44		15	120
			4-Nitrophenol-d4	40	8.85	22		10	150
			Fluorene-d10	40	18.91	47		20	140
			4,6-Dinitro-2-methylphenol-d2	40	6.20	15		10	130
			Anthracene-d10	40	19.49	49		10	150

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4238-15	A4EZ7	BM048054.D	Pyrene-d10	40	21.63	54		10	130
			Benzo(a)pyrene-d12	40	21.03	53		10	140
P4238-18	A4F02	BM048042.D	1,4-Dioxane-d8	8	1.11	14	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	5.86	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	4.60	11		10	150
			2-Chlorophenol-d4	40	6.82	17		15	120
			4-Methylphenol-d8	40	4.51	11		10	140
			Nitrobenzene-d5	40	6.51	16		10	135
			2-Nitrophenol-d4	40	7.33	18		10	120
			2,4-Dichlorophenol-d3	40	6.84	17		10	140
			4-Chloroaniline-d4	40	2.88	7		1	145
			Dimethylphthalate-d6	40	7.43	19		10	145
			Acenaphthylene-d8	40	7.23	18		15	120
			4-Nitrophenol-d4	40	4.16	10		10	150
			Fluorene-d10	40	7.96	20		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.64	9	*	10	130
			Anthracene-d10	40	8.19	20		10	150
			Pyrene-d10	40	7.67	19		10	130
			Benzo(a)pyrene-d12	40	5.76	14		10	140
P4238-19	A4F06	BM048043.D	1,4-Dioxane-d8	8	1.66	21		15	120
			Pyridine-d5	40	1.20	3	*	20	120
			Phenol-d5	40	9.61	24		10	130
			Bis(2-Chloroethyl)ether-d8	40	7.84	20		10	150
			2-Chlorophenol-d4	40	11.30	28		15	120
			4-Methylphenol-d8	40	8.28	21		10	140
			Nitrobenzene-d5	40	10.91	27		10	135
			2-Nitrophenol-d4	40	12.72	32		10	120
			2,4-Dichlorophenol-d3	40	11.33	28		10	140
			4-Chloroaniline-d4	40	4.91	12		1	145
			Dimethylphthalate-d6	40	11.97	30		10	145
			Acenaphthylene-d8	40	11.81	30		15	120
			4-Nitrophenol-d4	40	6.12	15		10	150
			Fluorene-d10	40	12.72	32		20	140
			4,6-Dinitro-2-methylphenol-d2	40	5.63	14		10	130
			Anthracene-d10	40	12.40	31		10	150
			Pyrene-d10	40	12.34	31		10	130
			Benzo(a)pyrene-d12	40	9.13	23		10	140
P4238-20	A4F07	BM048044.D	1,4-Dioxane-d8	8	1.20	15		15	120
			Pyridine-d5	40	0.53	1	*	20	120
			Phenol-d5	40	5.01	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	4.49	11		10	150
			2-Chlorophenol-d4	40	6.13	15		15	120
			4-Methylphenol-d8	40	3.16	8	*	10	140
			Nitrobenzene-d5	40	6.31	16		10	135
			2-Nitrophenol-d4	40	7.19	18		10	120
			2,4-Dichlorophenol-d3	40	6.18	15		10	140
			4-Chloroaniline-d4	40	1.40	3		1	145
			Dimethylphthalate-d6	40	7.15	18		10	145

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4238-20	A4F07	BM048044.D	Acenaphthylene-d8	40	7.03	18		15	120
			4-Nitrophenol-d4	40	4.25	11		10	150
			Fluorene-d10	40	7.51	19	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.66	9	*	10	130
			Anthracene-d10	40	7.57	19		10	150
			Pyrene-d10	40	7.22	18		10	130
			Benzo(a)pyrene-d12	40	5.35	13		10	140
PB163836BL	PB163836BL	BM048048.D	1,4-Dioxane-d8	8	4.26	53		15	120
			Pyridine-d5	40	19.41	49		20	120
			Phenol-d5	40	21.64	54		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.22	46		10	150
			2-Chlorophenol-d4	40	25.87	65		15	120
			4-Methylphenol-d8	40	22.45	56		10	140
			Nitrobenzene-d5	40	26.26	66		10	135
			2-Nitrophenol-d4	40	29.91	75		10	120
			2,4-Dichlorophenol-d3	40	25.27	63		10	140
			4-Chloroaniline-d4	40	23.34	58		1	145
			Dimethylphthalate-d6	40	25.37	63		10	145
			Acenaphthylene-d8	40	25.48	64		15	120
			4-Nitrophenol-d4	40	19.50	49		10	150
			Fluorene-d10	40	25.63	64		20	140
			4,6-Dinitro-2-methylphenol-d2	40	18.37	46		10	130
			Anthracene-d10	40	26.08	65		10	150
			Pyrene-d10	40	26.68	67		10	130
			Benzo(a)pyrene-d12	40	27.55	69		10	140

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4239-01	A4F08	BM048037.D	Pyridine-d5	40	0.00	0	*	20	120
			1,4-Dioxane-d8	8	1.61	20		15	120
			Phenol-d5	40	8.39	21		10	130
			Bis(2-Chloroethyl)ether-d8	40	7.39	18		10	150
			2-Chlorophenol-d4	40	10.36	26		15	120
			4-Methylphenol-d8	40	7.16	18		10	140
			Nitrobenzene-d5	40	10.16	25		10	135
			2-Nitrophenol-d4	40	11.67	29		10	120
			2,4-Dichlorophenol-d3	40	10.01	25		10	140
			4-Chloroaniline-d4	40	7.27	18		1	145
			Dimethylphthalate-d6	40	10.12	25		10	145
			Acenaphthylene-d8	40	10.16	25		15	120
			4-Nitrophenol-d4	40	5.86	15		10	150
			Fluorene-d10	40	10.63	27		20	140
			4,6-Dinitro-2-methylphenol-d2	40	4.99	12		10	130
			Anthracene-d10	40	9.84	25		10	150
			Pyrene-d10	40	10.40	26		10	130
			Benzo(a)pyrene-d12	40	7.94	20		10	140
P4239-05	A4EG1	BM048026.D	1,4-Dioxane-d8	8	1.29	16		15	120
			Pyridine-d5	40	0.61	2	*	20	120
			Phenol-d5	40	7.54	19		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.68	17		10	150
			2-Chlorophenol-d4	40	9.09	23		15	120
			4-Methylphenol-d8	40	7.14	18		10	140
			Nitrobenzene-d5	40	8.94	22		10	135
			2-Nitrophenol-d4	40	9.89	25		10	120
			2,4-Dichlorophenol-d3	40	8.95	22		10	140
			4-Chloroaniline-d4	40	1.91	5		1	145
			Dimethylphthalate-d6	40	9.01	23		10	145
			Acenaphthylene-d8	40	8.86	22		15	120
			4-Nitrophenol-d4	40	5.34	13		10	150
			Fluorene-d10	40	9.46	24		20	140
			4,6-Dinitro-2-methylphenol-d2	40	6.93	17		10	130
			Anthracene-d10	40	9.09	23		10	150
			Pyrene-d10	40	9.38	23		10	130
			Benzo(a)pyrene-d12	40	6.96	17		10	140
P4239-06	A4EG2	BM048027.D	1,4-Dioxane-d8	8	1.20	15		15	120
			Pyridine-d5	40	0.55	1	*	20	120
			Phenol-d5	40	6.56	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.91	15		10	150
			2-Chlorophenol-d4	40	8.20	20		15	120
			4-Methylphenol-d8	40	4.33	11		10	140
			Nitrobenzene-d5	40	8.27	21		10	135
			2-Nitrophenol-d4	40	9.34	23		10	120
			2,4-Dichlorophenol-d3	40	8.04	20		10	140
			4-Chloroaniline-d4	40	1.36	3		1	145
			Dimethylphthalate-d6	40	8.55	21		10	145
			Acenaphthylene-d8	40	8.36	21		15	120
			4-Nitrophenol-d4	40	4.68	12		10	150

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4239-06	A4EG2	BM048027.D	Fluorene-d10	40	8.91	22		20	140
			4,6-Dinitro-2-methylphenol-d2	40	5.38	13		10	130
			Anthracene-d10	40	8.48	21		10	150
			Pyrene-d10	40	9.11	23		10	130
			Benzo(a)pyrene-d12	40	6.43	16		10	140
P4239-07	A4EG3	BM048035.D	Pyridine-d5	40	0.49	1	*	20	120
			1,4-Dioxane-d8	8	1.33	17		15	120
			Phenol-d5	40	7.34	18		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.39	16		10	150
			2-Chlorophenol-d4	40	9.07	23		15	120
			4-Methylphenol-d8	40	6.00	15		10	140
			Nitrobenzene-d5	40	9.01	23		10	135
			2-Nitrophenol-d4	40	10.06	25		10	120
			2,4-Dichlorophenol-d3	40	8.96	22		10	140
			4-Chloroaniline-d4	40	3.43	9		1	145
			Dimethylphthalate-d6	40	9.33	23		10	145
			Acenaphthylene-d8	40	9.25	23		15	120
			4-Nitrophenol-d4	40	5.18	13		10	150
			Fluorene-d10	40	9.92	25		20	140
			4,6-Dinitro-2-methylphenol-d2	40	4.54	11		10	130
			Anthracene-d10	40	9.06	23		10	150
			Pyrene-d10	40	9.60	24		10	130
			Benzo(a)pyrene-d12	40	7.14	18		10	140
P4239-08	A4EG7	BM048038.D	1,4-Dioxane-d8	8	3.13	39		15	120
			Pyridine-d5	40	14.73	37		20	120
			Phenol-d5	40	17.71	44		10	130
			Bis(2-Chloroethyl)ether-d8	40	14.91	37		10	150
			2-Chlorophenol-d4	40	21.32	53		15	120
			4-Methylphenol-d8	40	19.05	48		10	140
			Nitrobenzene-d5	40	21.86	55		10	135
			2-Nitrophenol-d4	40	25.31	63		10	120
			2,4-Dichlorophenol-d3	40	22.00	55		10	140
			4-Chloroaniline-d4	40	19.36	48		1	145
			Dimethylphthalate-d6	40	21.45	54		10	145
			Acenaphthylene-d8	40	21.94	55		15	120
			4-Nitrophenol-d4	40	14.87	37		10	150
			Fluorene-d10	40	22.29	56		20	140
			4,6-Dinitro-2-methylphenol-d2	40	13.78	34		10	130
			Anthracene-d10	40	21.36	53		10	150
			Pyrene-d10	40	23.70	59		10	130
			Benzo(a)pyrene-d12	40	23.43	59		10	140
P4239-09	A4ET3	BM048036.D	Pyridine-d5	40	0.77	2	*	20	120
			1,4-Dioxane-d8	8	1.16	14	*	15	120
			Phenol-d5	40	6.26	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.19	15		10	150
			2-Chlorophenol-d4	40	8.24	21		15	120
			4-Methylphenol-d8	40	4.99	12		10	140
			Nitrobenzene-d5	40	8.76	22		10	135
			2-Nitrophenol-d4	40	9.74	24		10	120

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4239-09	A4ET3	BM048036.D	2,4-Dichlorophenol-d3	40	8.28	21		10	140
			4-Chloroaniline-d4	40	2.51	6		1	145
			Dimethylphthalate-d6	40	8.71	22		10	145
			Acenaphthylene-d8	40	8.78	22		15	120
			4-Nitrophenol-d4	40	4.00	10		10	150
			Fluorene-d10	40	9.40	23		20	140
			4,6-Dinitro-2-methylphenol-d2	40	4.33	11		10	130
			Anthracene-d10	40	8.54	21		10	150
			Pyrene-d10	40	8.92	22		10	130
			Benzo(a)pyrene-d12	40	6.80	17		10	140
P4239-10	A4ET4	BM048034.D	Pyridine-d5	40	0.71	2	*	20	120
			1,4-Dioxane-d8	8	1.63	20		15	120
			Phenol-d5	40	9.07	23		10	130
			Bis(2-Chloroethyl)ether-d8	40	8.20	21		10	150
			2-Chlorophenol-d4	40	11.42	29		15	120
			4-Methylphenol-d8	40	8.59	21		10	140
			Nitrobenzene-d5	40	11.37	28		10	135
			2-Nitrophenol-d4	40	13.03	33		10	120
			2,4-Dichlorophenol-d3	40	10.94	27		10	140
			4-Chloroaniline-d4	40	5.69	14		1	145
			Dimethylphthalate-d6	40	11.59	29		10	145
			Acenaphthylene-d8	40	11.59	29		15	120
			4-Nitrophenol-d4	40	5.94	15		10	150
			Fluorene-d10	40	12.24	31		20	140
			4,6-Dinitro-2-methylphenol-d2	40	5.59	14		10	130
			Anthracene-d10	40	11.62	29		10	150
			Pyrene-d10	40	11.57	29		10	130
			Benzo(a)pyrene-d12	40	8.84	22		10	140
P4239-15	A4EM6	BM048031.D	Pyridine-d5	40	11.13	28		20	120
			1,4-Dioxane-d8	8	2.51	31		15	120
			Phenol-d5	40	14.51	36		10	130
			Bis(2-Chloroethyl)ether-d8	40	11.92	30		10	150
			2-Chlorophenol-d4	40	17.05	43		15	120
			4-Methylphenol-d8	40	15.94	40		10	140
			Nitrobenzene-d5	40	17.25	43		10	135
			2-Nitrophenol-d4	40	20.15	50		10	120
			2,4-Dichlorophenol-d3	40	18.05	45		10	140
			4-Chloroaniline-d4	40	15.46	39		1	145
			Dimethylphthalate-d6	40	18.24	46		10	145
			Acenaphthylene-d8	40	18.26	46		15	120
			4-Nitrophenol-d4	40	12.90	32		10	150
			Fluorene-d10	40	18.93	47		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.72	27		10	130
			Anthracene-d10	40	18.95	47		10	150
			Pyrene-d10	40	20.36	51		10	130
			Benzo(a)pyrene-d12	40	20.12	50		10	140
P4239-16	A4EP3	BM048028.D	1,4-Dioxane-d8	8	1.57	20		15	120
			Pyridine-d5	40	0.93	2	*	20	120
			Phenol-d5	40	9.20	23		10	130

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4239-16	A4EP3	BM048028.D	Bis(2-Chloroethyl)ether-d8	40	7.95	20		10	150
			2-Chlorophenol-d4	40	11.26	28		15	120
			4-Methylphenol-d8	40	9.44	24		10	140
			Nitrobenzene-d5	40	11.21	28		10	135
			2-Nitrophenol-d4	40	12.80	32		10	120
			2,4-Dichlorophenol-d3	40	11.30	28		10	140
			4-Chloroaniline-d4	40	1.54	4		1	145
			Dimethylphthalate-d6	40	11.41	29		10	145
			Acenaphthylene-d8	40	11.29	28		15	120
			4-Nitrophenol-d4	40	7.05	18		10	150
			Fluorene-d10	40	11.75	29		20	140
			4,6-Dinitro-2-methylphenol-d2	40	7.18	18		10	130
			Anthracene-d10	40	11.41	29		10	150
			Pyrene-d10	40	11.88	30		10	130
			Benzo(a)pyrene-d12	40	8.35	21		10	140
P4239-17	A4EP4	BM048029.D	1,4-Dioxane-d8	8	2.49	31		15	120
			Pyridine-d5	40	11.41	29		20	120
			Phenol-d5	40	14.36	36		10	130
			Bis(2-Chloroethyl)ether-d8	40	12.06	30		10	150
			2-Chlorophenol-d4	40	17.35	43		15	120
			4-Methylphenol-d8	40	14.94	37		10	140
			Nitrobenzene-d5	40	17.40	43		10	135
			2-Nitrophenol-d4	40	20.29	51		10	120
			2,4-Dichlorophenol-d3	40	17.57	44		10	140
			4-Chloroaniline-d4	40	13.97	35		1	145
			Dimethylphthalate-d6	40	17.22	43		10	145
			Acenaphthylene-d8	40	17.62	44		15	120
			4-Nitrophenol-d4	40	11.45	29		10	150
			Fluorene-d10	40	18.07	45		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.16	25		10	130
			Anthracene-d10	40	17.70	44		10	150
			Pyrene-d10	40	19.91	50		10	130
P4239-18	A4EP5	BM048030.D	Benzo(a)pyrene-d12	40	19.06	48		10	140
			1,4-Dioxane-d8	8	2.39	30		15	120
			Pyridine-d5	40	9.94	25		20	120
			Phenol-d5	40	13.92	35		10	130
			Bis(2-Chloroethyl)ether-d8	40	12.01	30		10	150
			2-Chlorophenol-d4	40	17.03	43		15	120
			4-Methylphenol-d8	40	14.79	37		10	140
			Nitrobenzene-d5	40	17.37	43		10	135
			2-Nitrophenol-d4	40	20.43	51		10	120
			2,4-Dichlorophenol-d3	40	17.48	44		10	140
			4-Chloroaniline-d4	40	13.71	34		1	145
			Dimethylphthalate-d6	40	17.10	43		10	145
			Acenaphthylene-d8	40	17.64	44		15	120
			4-Nitrophenol-d4	40	12.11	30		10	150
			Fluorene-d10	40	18.07	45		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.95	27		10	130
			Anthracene-d10	40	17.64	44		10	150

Surrogate Summary

SW-846

SDG No.: BM101424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4239-18	A4EP5	BM048030.D	Pyrene-d10	40	19.38	48		10	130
			Benzo(a)pyrene-d12	40	18.77	47		10	140
PB163884BL	PB163884BL	BM048033.D	1,4-Dioxane-d8	8	3.91	49		15	120
			Pyridine-d5	40	17.62	44		20	120
		BM048025.D	Pyridine-d5	40	17.44	44		20	120
			1,4-Dioxane-d8	8	3.82	48		15	120
		BM048033.D	Phenol-d5	40	18.64	47		10	130
			Phenol-d5	40	19.35	48		10	130
		BM048025.D	Bis(2-Chloroethyl)ether-d8	40	16.24	41		10	150
			Bis(2-Chloroethyl)ether-d8	40	16.02	40		10	150
		BM048033.D	2-Chlorophenol-d4	40	21.84	55		15	120
			2-Chlorophenol-d4	40	22.84	57		15	120
		BM048025.D	4-Methylphenol-d8	40	20.26	51		10	140
			4-Methylphenol-d8	40	19.08	48		10	140
		BM048033.D	Nitrobenzene-d5	40	21.94	55		10	135
			Nitrobenzene-d5	40	22.17	55		10	135
		BM048025.D	2-Nitrophenol-d4	40	26.09	65		10	120
			2-Nitrophenol-d4	40	25.24	63		10	120
		BM048033.D	2,4-Dichlorophenol-d3	40	21.39	53		10	140
			2,4-Dichlorophenol-d3	40	22.01	55		10	140
		BM048025.D	4-Chloroaniline-d4	40	20.97	52		1	145
			4-Chloroaniline-d4	40	20.35	51		1	145
		BM048033.D	Dimethylphthalate-d6	40	22.98	57		10	145
			Dimethylphthalate-d6	40	21.86	55		10	145
		BM048025.D	Acenaphthylene-d8	40	22.27	56		15	120
			Acenaphthylene-d8	40	22.22	56		15	120
		BM048033.D	4-Nitrophenol-d4	40	15.23	38		10	150
			4-Nitrophenol-d4	40	18.29	46		10	150
		BM048025.D	Fluorene-d10	40	22.55	56		20	140
			Fluorene-d10	40	22.77	57		20	140
		BM048033.D	4,6-Dinitro-2-methylphenol-d2	40	18.02	45		10	130
			4,6-Dinitro-2-methylphenol-d2	40	15.32	38		10	130
		BM048025.D	Anthracene-d10	40	22.91	57		10	150
			Anthracene-d10	40	22.46	56		10	150
		BM048033.D	Pyrene-d10	40	23.60	59		10	130
			Pyrene-d10	40	23.27	58		10	130
		BM048025.D	Benzo(a)pyrene-d12	40	23.81	60		10	140
			Benzo(a)pyrene-d12	40	23.79	59		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM101424

Lab Code: CHEM

SAS No.: BM101424 SDG NO.: BM101424

Lab File ID: BM048023.D

DFTPP Injection Date: 10/14/2024

Instrument ID: BNA_M

DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	44.8
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	78.9
443	15.0 - 24.0% of mass 442	15.2 (19.3) 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
SSTD020178	SSTDCCC020	BM048024.D	10/14/2024	12:16
SBLK884	PB163884BL	BM048025.D	10/14/2024	12:55
A4EG1	P4239-05	BM048026.D	10/14/2024	13:35
A4EG2	P4239-06	BM048027.D	10/14/2024	14:15
A4EP3	P4239-16	BM048028.D	10/14/2024	14:54
A4EP4	P4239-17	BM048029.D	10/14/2024	15:34
A4EP5	P4239-18	BM048030.D	10/14/2024	16:13
A4EM6	P4239-15	BM048031.D	10/14/2024	16:53
SSTD020179	SSTDCCC020	BM048032.D	10/14/2024	17:34
SBLK884	PB163884BL	BM048033.D	10/14/2024	18:13
A4ET4	P4239-10	BM048034.D	10/14/2024	18:53
A4EG3	P4239-07	BM048035.D	10/14/2024	19:32
A4ET3	P4239-09	BM048036.D	10/14/2024	20:12
A4F08	P4239-01	BM048037.D	10/14/2024	20:52
A4EG7	P4239-08	BM048038.D	10/14/2024	21:31
A4F13	P4238-03	BM048039.D	10/14/2024	22:11
A4F18	P4238-06	BM048040.D	10/14/2024	22:50
A4EY6	P4238-10	BM048041.D	10/14/2024	23:30

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM101424

Lab Code: CHEM

SAS No.: BM101424 SDG NO.: BM101424

Lab File ID: BM048023.D

DFTPP Injection Date: 10/14/2024

Instrument ID: BNA_M

DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.7
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	44.8
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	24.5
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	78.9
443	15.0 - 24.0% of mass 442	15.2 (19.3) 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
A4F02	P4238-18	BM048042.D	10/15/2024	00:09
A4F06	P4238-19	BM048043.D	10/15/2024	00:49
A4F07	P4238-20	BM048044.D	10/15/2024	01:29
A4EQ8	P4238-01	BM048045.D	10/15/2024	02:08
A4F12	P4238-02	BM048046.D	10/15/2024	02:48
SSTD020180	SSTDCCC020	BM048047.D	10/15/2024	04:07
SBLK836	PB163836BL	BM048048.D	10/15/2024	04:46
A4F14	P4238-04	BM048049.D	10/15/2024	05:26
A4F15	P4238-05	BM048050.D	10/15/2024	06:06
A4EY0	P4238-08	BM048051.D	10/15/2024	06:45
A4EY7	P4238-11	BM048052.D	10/15/2024	07:25
A4EZ6	P4238-14	BM048053.D	10/15/2024	08:04
A4EZ7	P4238-15	BM048054.D	10/15/2024	08:44