

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/15/2024 : 15:51

Lab File ID: BM048710.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020057 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.551	0.570	0.010	3.556	40.0
Benzaldehyde	0.752	0.943	0.010	25.3462	40.0
Pyridine	1.419	1.417	0.010	-0.1378	40.0
Phenol	1.597	1.597	0.080	-0.04	20.0
Bis(2-Chloroethyl)ether	1.255	1.275	0.100	1.5568	20.0
2-Chlorophenol	1.307	1.344	0.200	2.9023	20.0
2-Methylphenol	1.182	1.169	0.010	-1.1811	20.0
2,2-oxybis(1-Chloropropane)	1.846	1.922	0.010	4.1079	40.0
Acetophenone	1.866	1.935	0.060	3.6967	20.0
4-Methylphenol	1.295	1.294	0.010	-0.056	20.0
N-Nitroso-di-n-propylamine	0.877	0.915	0.050	4.3719	30.0
Hexachloroethane	0.552	0.573	0.100	3.7476	20.0
Nitrobenzene	0.329	0.354	0.050	7.6973	25.0
Isophorone	0.608	0.643	0.050	5.7809	25.0
2-Nitrophenol	0.168	0.183	0.050	8.631	25.0
2,4-Dimethylphenol	0.314	0.332	0.050	5.8639	25.0
Bis(2-Chloroethoxy)methane	0.379	0.409	0.050	7.9056	20.0
2,4-Dichlorophenol	0.291	0.305	0.060	4.8177	20.0
Naphthalene	1.012	1.071	0.200	5.8287	20.0
4-Chloroaniline	0.384	0.399	0.010	4.0635	40.0
Hexachlorobutadiene	0.197	0.205	0.040	4.389	30.0
Caprolactam	0.092	0.089	0.010	-2.5774	40.0
4-Chloro-3-methylphenol	0.281	0.294	0.040	4.5075	25.0
1-Methylnaphthalene	0.665	0.706	0.100	6.2133	20.0
2-Methylnaphthalene	0.648	0.692	0.100	6.7817	20.0
Hexachlorocyclopentadiene	0.293	0.326	0.010	11.3392	40.0
2,4,6-Trichlorophenol	0.362	0.382	0.090	5.4939	25.0
2,4,5-Trichlorophenol	0.386	0.404	0.100	4.8484	25.0
1,1-Biphenyl	1.368	1.456	0.200	6.4881	20.0
2-Chloronaphthalene	1.079	1.149	0.300	6.4425	20.0
2-Nitroaniline	0.271	0.291	0.050	7.5062	40.0
Dimethylphthalate	1.282	1.398	0.300	9.0073	20.0
2,6-Dinitrotoluene	0.244	0.265	0.080	8.3209	30.0
Acenaphthylene	1.659	1.779	0.400	7.2295	20.0
3-Nitroaniline	0.265	0.281	0.010	5.9314	40.0
Acenaphthene	1.168	1.248	0.200	6.8019	20.0
2,4-Dinitrophenol	0.131	0.119	0.010	-9.5908	40.0
4-Nitrophenol	0.171	0.161	0.010	-5.9121	40.0
Dibenzofuran	1.611	1.731	0.300	7.4103	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/15/2024 : 15:51

Lab File ID: BM048710.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020057 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.355	0.392	0.070	10.2559	30.0
Diethylphthalate	1.264	1.385	0.300	9.6509	20.0
Fluorene	1.276	1.379	0.200	8.0687	20.0
4-Chlorophenyl-phenylether	0.629	0.675	0.100	7.3645	20.0
4-Nitroaniline	0.261	0.267	0.010	2.0991	40.0
4,6-Dinitro-2-methylphenol	0.109	0.117	0.010	6.7558	40.0
N-Nitrosodiphenylamine	0.527	0.580	0.050	10.0096	20.0
1,2,4,5-Tetrachlorobenzene	0.573	0.605	0.100	5.6137	20.0
4-Bromophenyl-phenylether	0.189	0.203	0.070	7.8424	20.0
Hexachlorobenzene	0.228	0.242	0.050	6.443	25.0
Atrazine	0.192	0.208	0.010	8.3343	25.0
Pentachlorophenol	0.145	0.138	0.010	-4.3311	40.0
Phenanthrene	0.992	1.070	0.200	7.8862	20.0
Pentachlorobenzene	0.278	0.291	0.050	4.5203	20.0
Anthracene	0.995	1.084	0.200	8.867	20.0
1,2,3,4-Tetrachlorobenzene	0.285	0.295	0.050	3.4719	20.0
Carbazole	0.897	0.975	0.050	8.7301	40.0
Di-n-butylphthalate	1.054	1.195	0.500	13.3431	25.0
Fluoranthene	1.165	1.239	0.400	6.3497	25.0
Pyrene	1.263	1.367	0.400	8.2189	25.0
Butylbenzylphthalate	0.485	0.536	0.100	10.4429	40.0
3,3-Dichlorobenzidine	0.363	0.413	0.010	13.7422	40.0
Benzo (a) anthracene	1.261	1.356	0.300	7.5774	30.0
Chrysene	1.212	1.300	0.200	7.3155	30.0
Bis (2-ethylhexyl) phthalate	0.708	0.772	0.200	9.1647	40.0
Di-n-octyl phthalate	1.127	1.131	0.010	0.2787	40.0
Benzo (b) fluoranthene	1.101	1.186	0.200	7.6895	25.0
Benzo (k) fluoranthene	1.098	1.183	0.200	7.801	25.0
Benzo (a) pyrene	1.035	1.126	0.200	8.7372	20.0
Indeno (1,2,3-cd) pyrene	1.345	1.449	0.200	7.722	25.0
Dibenzo (a,h) anthracene	1.099	1.189	0.200	8.2566	30.0
Benzo (g,h,i) perylene	1.055	1.127	0.200	6.8328	30.0
2,3,4,6-Tetrachlorophenol	0.321	0.339	0.040	5.5559	20.0
1,4-Dioxane-d8	0.502	0.532	0.010	6.0408	25.0
Pyridine-d5	1.383	1.361	0.010	-1.5611	40.0
Phenol-d5	1.522	1.518	0.010	-0.2802	25.0
Bis- (2-Chloroethyl) ether-d8	0.914	0.938	0.050	2.5913	25.0
2-Chlorophenol-d4	1.261	1.298	0.200	2.9405	20.0
4-Methylphenol-d8	1.197	1.167	0.010	-2.5422	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/15/2024 : 15:51

Lab File ID: BM048710.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020057 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.145	0.155	0.050	6.5914	20.0
2-Nitrophenol-d4	0.154	0.163	0.050	5.7665	30.0
2,4-Dichlorophenol-d3	0.286	0.305	0.060	6.4053	20.0
4-Chloroaniline-d4	0.407	0.413	0.010	1.4734	40.0
Dimethylphthalate-d6	1.277	1.384	0.300	8.4143	20.0
Acenaphthylene-d8	1.505	1.616	0.400	7.3904	20.0
4-Nitrophenol-d4	0.237	0.227	0.010	-4.1939	40.0
Fluorene-d10	1.114	1.202	0.100	7.8782	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.105	0.010	4.6687	40.0
Anthracene-d10	0.846	0.923	0.300	9.0364	20.0
Pyrene-d10	1.004	1.079	0.300	7.5178	25.0
Benzo(a)pyrene-d12	0.934	1.002	0.010	7.1929	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.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/16/2024 : 02:24

Lab File ID: BM048725.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020058 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.551	0.568	0.010	3.1722	40.0
Benzaldehyde	0.752	0.968	0.010	28.7046	40.0
Pyridine	1.419	1.434	0.010	1.0535	40.0
Phenol	1.597	1.668	0.080	4.4097	20.0
Bis(2-Chloroethyl)ether	1.255	1.307	0.100	4.0907	20.0
2-Chlorophenol	1.307	1.390	0.200	6.4229	20.0
2-Methylphenol	1.182	1.233	0.010	4.2521	20.0
2,2-oxybis(1-Chloropropane)	1.846	1.971	0.010	6.7752	40.0
Acetophenone	1.866	2.044	0.060	9.5462	20.0
4-Methylphenol	1.295	1.348	0.010	4.0783	20.0
N-Nitroso-di-n-propylamine	0.877	0.958	0.050	9.2704	30.0
Hexachloroethane	0.552	0.589	0.100	6.5926	20.0
Nitrobenzene	0.329	0.354	0.050	7.7519	25.0
Isophorone	0.608	0.659	0.050	8.4544	25.0
2-Nitrophenol	0.168	0.181	0.050	7.7442	25.0
2,4-Dimethylphenol	0.314	0.334	0.050	6.368	25.0
Bis(2-Chloroethoxy)methane	0.379	0.404	0.050	6.4648	20.0
2,4-Dichlorophenol	0.291	0.309	0.060	6.1896	20.0
Naphthalene	1.012	1.070	0.200	5.7132	20.0
4-Chloroaniline	0.384	0.398	0.010	3.6456	40.0
Hexachlorobutadiene	0.197	0.205	0.040	4.2251	30.0
Caprolactam	0.092	0.093	0.010	2.0796	40.0
4-Chloro-3-methylphenol	0.281	0.293	0.040	4.2082	25.0
1-Methylnaphthalene	0.665	0.710	0.100	6.8008	20.0
2-Methylnaphthalene	0.648	0.695	0.100	7.3008	20.0
Hexachlorocyclopentadiene	0.293	0.337	0.010	15.0668	40.0
2,4,6-Trichlorophenol	0.362	0.381	0.090	5.1416	25.0
2,4,5-Trichlorophenol	0.386	0.416	0.100	8.0046	25.0
1,1-Biphenyl	1.368	1.464	0.200	7.0345	20.0
2-Chloronaphthalene	1.079	1.150	0.300	6.5599	20.0
2-Nitroaniline	0.271	0.300	0.050	10.5982	40.0
Dimethylphthalate	1.282	1.393	0.300	8.6155	20.0
2,6-Dinitrotoluene	0.244	0.270	0.080	10.5242	30.0
Acenaphthylene	1.659	1.792	0.400	7.9804	20.0
3-Nitroaniline	0.265	0.279	0.010	5.061	40.0
Acenaphthene	1.168	1.250	0.200	7.0235	20.0
2,4-Dinitrophenol	0.131	0.131	0.010	-0.6432	40.0
4-Nitrophenol	0.171	0.170	0.010	-0.8566	40.0
Dibenzofuran	1.611	1.732	0.300	7.4672	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/16/2024 : 02:24

Lab File ID: BM048725.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020058 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.355	0.407	0.070	14.6502	30.0
Diethylphthalate	1.264	1.388	0.300	9.8179	20.0
Fluorene	1.276	1.380	0.200	8.1778	20.0
4-Chlorophenyl-phenylether	0.629	0.678	0.100	7.8024	20.0
4-Nitroaniline	0.261	0.279	0.010	6.7336	40.0
4,6-Dinitro-2-methylphenol	0.109	0.120	0.010	9.2067	40.0
N-Nitrosodiphenylamine	0.527	0.573	0.050	8.7695	20.0
1,2,4,5-Tetrachlorobenzene	0.573	0.598	0.100	4.2793	20.0
4-Bromophenyl-phenylether	0.189	0.200	0.070	5.9466	20.0
Hexachlorobenzene	0.228	0.239	0.050	5.1833	25.0
Atrazine	0.192	0.203	0.010	5.8211	25.0
Pentachlorophenol	0.145	0.146	0.010	0.9407	40.0
Phenanthrene	0.992	1.071	0.200	7.9608	20.0
Pentachlorobenzene	0.278	0.290	0.050	4.1455	20.0
Anthracene	0.995	1.094	0.200	9.9457	20.0
1,2,3,4-Tetrachlorobenzene	0.285	0.296	0.050	3.5757	20.0
Carbazole	0.897	0.979	0.050	9.2236	40.0
Di-n-butylphthalate	1.054	1.170	0.500	11.0225	25.0
Fluoranthene	1.165	1.264	0.400	8.5713	25.0
Pyrene	1.263	1.373	0.400	8.6976	25.0
Butylbenzylphthalate	0.485	0.533	0.100	9.8262	40.0
3,3-Dichlorobenzidine	0.363	0.414	0.010	13.8765	40.0
Benzo (a) anthracene	1.261	1.359	0.300	7.79	30.0
Chrysene	1.212	1.304	0.200	7.6697	30.0
Bis (2-ethylhexyl) phthalate	0.708	0.775	0.200	9.5549	40.0
Di-n-octyl phthalate	1.127	1.151	0.010	2.116	40.0
Benzo (b) fluoranthene	1.101	1.170	0.200	6.2894	25.0
Benzo (k) fluoranthene	1.098	1.222	0.200	11.3519	25.0
Benzo (a) pyrene	1.035	1.128	0.200	9.0099	20.0
Indeno (1,2,3-cd) pyrene	1.345	1.430	0.200	6.3341	25.0
Dibenzo (a,h) anthracene	1.099	1.159	0.200	5.4929	30.0
Benzo (g,h,i) perylene	1.055	1.116	0.200	5.8123	30.0
2,3,4,6-Tetrachlorophenol	0.321	0.346	0.040	7.8859	20.0
1,4-Dioxane-d8	0.502	0.517	0.010	3.0447	25.0
Pyridine-d5	1.383	1.371	0.010	-0.8674	40.0
Phenol-d5	1.522	1.573	0.010	3.3366	25.0
Bis- (2-Chloroethyl) ether-d8	0.914	0.950	0.050	3.9295	25.0
2-Chlorophenol-d4	1.261	1.351	0.200	7.1317	20.0
4-Methylphenol-d8	1.197	1.245	0.010	4.0285	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/16/2024 : 02:24

Lab File ID: BM048725.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020058 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.145	0.155	0.050	6.9696	20.0
2-Nitrophenol-d4	0.154	0.164	0.050	6.0733	30.0
2,4-Dichlorophenol-d3	0.286	0.301	0.060	5.116	20.0
4-Chloroaniline-d4	0.407	0.420	0.010	3.2547	40.0
Dimethylphthalate-d6	1.277	1.395	0.300	9.2828	20.0
Acenaphthylene-d8	1.505	1.626	0.400	8.0457	20.0
4-Nitrophenol-d4	0.237	0.233	0.010	-1.8394	40.0
Fluorene-d10	1.114	1.191	0.100	6.8403	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.107	0.010	6.5301	40.0
Anthracene-d10	0.846	0.911	0.300	7.6584	20.0
Pyrene-d10	1.004	1.089	0.300	8.5051	25.0
Benzo(a)pyrene-d12	0.934	1.006	0.010	7.6054	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.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/16/2024 : 08:19

Lab File ID: BM048734.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020059 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.551	0.528	0.010	-4.0214	50.0
Benzaldehyde	0.752	0.921	0.010	22.4033	50.0
Pyridine	1.419	1.377	0.010	-2.9544	50.0
Phenol	1.597	1.606	0.080	0.5422	50.0
Bis(2-Chloroethyl)ether	1.255	1.262	0.100	0.5503	50.0
2-Chlorophenol	1.307	1.359	0.200	3.9935	50.0
2-Methylphenol	1.182	1.193	0.010	0.9139	50.0
2,2-oxybis(1-Chloropropane)	1.846	1.850	0.010	0.2321	50.0
Acetophenone	1.866	1.904	0.060	2.0195	50.0
4-Methylphenol	1.295	1.314	0.010	1.5254	50.0
N-Nitroso-di-n-propylamine	0.877	0.915	0.050	4.3691	50.0
Hexachloroethane	0.552	0.570	0.100	3.2754	50.0
Nitrobenzene	0.329	0.345	0.050	5.0659	50.0
Isophorone	0.608	0.643	0.050	5.7714	50.0
2-Nitrophenol	0.168	0.181	0.050	7.5417	50.0
2,4-Dimethylphenol	0.314	0.333	0.050	6.1251	50.0
Bis(2-Chloroethoxy)methane	0.379	0.401	0.050	5.7234	50.0
2,4-Dichlorophenol	0.291	0.311	0.060	6.9363	50.0
Naphthalene	1.012	1.053	0.200	3.9765	50.0
4-Chloroaniline	0.384	0.391	0.010	1.9436	50.0
Hexachlorobutadiene	0.197	0.208	0.040	5.5396	50.0
Caprolactam	0.092	0.093	0.010	1.6426	50.0
4-Chloro-3-methylphenol	0.281	0.300	0.040	6.7566	50.0
1-Methylnaphthalene	0.665	0.702	0.100	5.5616	50.0
2-Methylnaphthalene	0.648	0.685	0.100	5.8076	50.0
Hexachlorocyclopentadiene	0.293	0.318	0.010	8.6016	50.0
2,4,6-Trichlorophenol	0.362	0.390	0.090	7.6108	50.0
2,4,5-Trichlorophenol	0.386	0.414	0.100	7.4003	50.0
1,1-Biphenyl	1.368	1.461	0.200	6.8379	50.0
2-Chloronaphthalene	1.079	1.158	0.300	7.3241	50.0
2-Nitroaniline	0.271	0.288	0.050	6.3795	50.0
Dimethylphthalate	1.282	1.375	0.300	7.2514	50.0
2,6-Dinitrotoluene	0.244	0.275	0.080	12.6646	50.0
Acenaphthylene	1.659	1.778	0.400	7.162	50.0
3-Nitroaniline	0.265	0.289	0.010	9.0052	50.0
Acenaphthene	1.168	1.235	0.200	5.6865	50.0
2,4-Dinitrophenol	0.131	0.127	0.010	-3.2027	50.0
4-Nitrophenol	0.171	0.169	0.010	-1.27	50.0
Dibenzofuran	1.611	1.724	0.300	7.0113	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524

Instrument ID: BNA_M Calibration Date/Time: 11/16/2024 : 08:19

Lab File ID: BM048734.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020059 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.355	0.403	0.070	13.3855	50.0
Diethylphthalate	1.264	1.376	0.300	8.8641	50.0
Fluorene	1.276	1.359	0.200	6.4913	50.0
4-Chlorophenyl-phenylether	0.629	0.673	0.100	7.0918	50.0
4-Nitroaniline	0.261	0.286	0.010	9.3133	50.0
4,6-Dinitro-2-methylphenol	0.109	0.115	0.010	4.735	50.0
N-Nitrosodiphenylamine	0.527	0.571	0.050	8.3326	50.0
1,2,4,5-Tetrachlorobenzene	0.573	0.613	0.100	6.9763	50.0
4-Bromophenyl-phenylether	0.189	0.205	0.070	8.6301	50.0
Hexachlorobenzene	0.228	0.246	0.050	8.1498	50.0
Atrazine	0.192	0.208	0.010	8.5602	50.0
Pentachlorophenol	0.145	0.155	0.010	7.0134	50.0
Phenanthrene	0.992	1.066	0.200	7.4985	50.0
Pentachlorobenzene	0.278	0.297	0.050	6.9715	50.0
Anthracene	0.995	1.095	0.200	9.9795	50.0
1,2,3,4-Tetrachlorobenzene	0.285	0.302	0.050	5.869	50.0
Carbazole	0.897	0.996	0.050	11.0749	50.0
Di-n-butylphthalate	1.054	1.181	0.500	12.0462	50.0
Fluoranthene	1.165	1.240	0.400	6.4484	50.0
Pyrene	1.263	1.348	0.400	6.7794	50.0
Butylbenzylphthalate	0.485	0.540	0.100	11.2261	50.0
3,3-Dichlorobenzidine	0.363	0.423	0.010	16.299	50.0
Benzo (a) anthracene	1.261	1.376	0.300	9.1618	50.0
Chrysene	1.212	1.309	0.200	8.0733	50.0
Bis(2-ethylhexyl)phthalate	0.708	0.803	0.200	13.4979	50.0
Di-n-octyl phthalate	1.127	1.194	0.010	5.9027	50.0
Benzo (b) fluoranthene	1.101	1.189	0.200	7.9901	50.0
Benzo (k) fluoranthene	1.098	1.184	0.200	7.8484	50.0
Benzo (a) pyrene	1.035	1.128	0.200	8.9559	50.0
Indeno (1,2,3-cd) pyrene	1.345	1.457	0.200	8.2807	50.0
Dibenzo (a,h) anthracene	1.099	1.185	0.200	7.8585	50.0
Benzo (g,h,i) perylene	1.055	1.137	0.200	7.8331	50.0
2,3,4,6-Tetrachlorophenol	0.321	0.348	0.040	8.6692	50.0
1,4-Dioxane-d8	0.502	0.478	0.010	-4.821	50.0
Pyridine-d5	1.383	1.322	0.010	-4.4165	50.0
Phenol-d5	1.522	1.509	0.010	-0.9131	50.0
Bis- (2-Chloroethyl) ether-d8	0.914	0.900	0.050	-1.5691	50.0
2-Chlorophenol-d4	1.261	1.321	0.200	4.7489	50.0
4-Methylphenol-d8	1.197	1.202	0.010	0.3804	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG No.: BM111524
 Instrument ID: BNA_M Calibration Date/Time: 11/16/2024 : 08:19
 Lab File ID: BM048734.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD020059 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.145	0.156	0.050	7.5796	50.0
2-Nitrophenol-d4	0.154	0.164	0.050	6.4211	50.0
2,4-Dichlorophenol-d3	0.286	0.307	0.060	7.0701	50.0
4-Chloroaniline-d4	0.407	0.415	0.010	1.9065	50.0
Dimethylphthalate-d6	1.277	1.369	0.300	7.2082	50.0
Acenaphthylene-d8	1.505	1.631	0.400	8.3299	50.0
4-Nitrophenol-d4	0.237	0.236	0.010	-0.6342	50.0
Fluorene-d10	1.114	1.191	0.100	6.9039	50.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.104	0.010	2.9818	50.0
Anthracene-d10	0.846	0.924	0.300	9.1807	50.0
Pyrene-d10	1.004	1.065	0.300	6.1559	50.0
Benzo(a)pyrene-d12	0.934	1.011	0.010	8.1555	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048711.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

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:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048711.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

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:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048711.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

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	6.165		15-120		77	SPK: -8
7291-22-7	Pyridine-d5	27.929		20-120		70	SPK: -40
4165-62-2	Phenol-d5	29.112		10-130		73	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.841		10-150		75	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.472		15-120		76	SPK: -40
190780-66-6	4-Methylphenol-d8	28.373		10-140		71	SPK: -40
4165-60-0	Nitrobenzene-d5	31.036		10-135		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.804		10-120		77	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	28.343		10-140		71	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.436		1-145		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.785		10-145		82	SPK: -40
93951-97-4	Acenaphthylene-d8	31.903		15-120		80	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.672		10-150		54	SPK: -40
81103-79-9	Fluorene-d10	32.095		20-140		80	SPK: -40

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048711.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.916		10-130		62	SPK: -40
1719-06-8	Anthracene-d10	32.609		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	33.606		10-130		84	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.638		10-140		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103020	7.622				
1146-65-2	Naphthalene-d8	392025	10.41				
15067-26-2	Acenaphthene-d10	227727	14.275				
1517-22-2	Phenanthrene-d10	453255	17.021				
1719-03-5	Chrysene-d12	449346	21.251				
1520-96-3	Perylene-d12	561529	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D0	SDG No.:	BM111524
Lab Sample ID:	P4751-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.6
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
BM048712.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.5	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	41	U	41	95.5	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.5	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.2	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.5	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.5	380	ug/Kg
98-86-2	Acetophenone	130	J	44	95.5	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.5	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.2	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.2	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.2	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.2	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.2	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.2	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.2	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.2	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.2	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.2	200	ug/Kg
90-12-0	1-Methylnaphthalene	47	U	47	49.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91	U	91	95.5	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D0	SDG No.:	BM111524
Lab Sample ID:	P4751-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.6
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
BM048712.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.2	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.2	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.2	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.2	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.5	380	ug/Kg
83-32-9	Acenaphthene	47	U	47	49.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.5	380	ug/Kg
100-02-7	4-Nitrophenol	47	U	47	95.5	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.2	200	ug/Kg
84-66-2	Diethylphthalate	69	U	69	49.2	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.2	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	95.5	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	95.5	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.2	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.2	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.5	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.5	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.2	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.2	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.2	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.2	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.5	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.2	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	95.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D0	SDG No.:	BM111524
Lab Sample ID:	P4751-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.6
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
BM048712.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.2	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	95.5	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.2	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.2	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.211		15-120		15	SPK: -8
7291-22-7	Pyridine-d5	2.497	*	20-120		6	SPK: -40
4165-62-2	Phenol-d5	4.661		10-130		12	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.357		10-150		13	SPK: -40
93951-73-6	2-Chlorophenol-d4	5.479	*	15-120		14	SPK: -40
190780-66-6	4-Methylphenol-d8	3.182	*	10-140		8	SPK: -40
4165-60-0	Nitrobenzene-d5	4.591		10-135		11	SPK: -40
93951-78-1	2-Nitrophenol-d4	4.557		10-120		11	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	4.772		10-140		12	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.089		1-145		5	SPK: -40
85448-30-2	Dimethylphthalate-d6	6.459		10-145		16	SPK: -40
93951-97-4	Acenaphthylene-d8	5.887		15-120		15	SPK: -40
93951-79-2	4-Nitrophenol-d4	2.09	*	10-150		5	SPK: -40
81103-79-9	Fluorene-d10	6.4	*	20-140		16	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D0	SDG No.:	BM111524
Lab Sample ID:	P4751-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.6
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
BM048712.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	2.416	*	10-130		6	SPK: -40
1719-06-8	Anthracene-d10	5.73		10-150		14	SPK: -40
1718-52-1	Pyrene-d10	5.161		10-130		13	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	3.452	*	10-140		9	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111357	7.622				
1146-65-2	Naphthalene-d8	442458	10.41				
15067-26-2	Acenaphthene-d10	257341	14.274				
1517-22-2	Phenanthrene-d10	515794	17.021				
1719-03-5	Chrysene-d12	528937	21.25				
1520-96-3	Perylene-d12	634421	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	100	J			17.927	
E966796	Total Alkanes	56	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E6	SDG No.:	BM111524
Lab Sample ID:	P4751-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.2
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
BM048713.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.4	75	ug/Kg
100-52-7	Benzaldehyde	84	U	84	92.9	370	ug/Kg
110-86-1	Pyridine	48	U	48	190	370	ug/Kg
108-95-2	Phenol	39	U	39	92.9	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	92.9	370	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	47.9	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	92.9	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	92.9	370	ug/Kg
98-86-2	Acetophenone	140	J	43	92.9	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	92.9	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	47.9	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	47.9	190	ug/Kg
98-95-3	Nitrobenzene	41	U	41	47.9	190	ug/Kg
78-59-1	Isophorone	38	U	38	47.9	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	47.9	190	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	47.9	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	47.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	47.9	190	ug/Kg
91-20-3	Naphthalene	38	U	38	47.9	190	ug/Kg
106-47-8	4-Chloroaniline	48	U	48	47.9	370	ug/Kg
87-68-3	Hexachlorobutadiene	38	U	38	47.9	190	ug/Kg
105-60-2	Caprolactam	140	U	140	92.9	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	47.9	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	47.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	42	U	42	47.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	89	U	89	92.9	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48	U	48	47.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47	U	47	47.9	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E6	SDG No.:	BM111524
Lab Sample ID:	P4751-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.2
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
BM048713.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	54	U	54	47.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	51	U	51	47.9	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	47.9	190	ug/Kg
131-11-3	Dimethylphthalate	47	U	47	47.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	47.9	190	ug/Kg
208-96-8	Acenaphthylene	48	U	48	47.9	190	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	92.9	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	47.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	92.9	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	92.9	370	ug/Kg
132-64-9	Dibenzofuran	52	U	52	47.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	47.9	190	ug/Kg
84-66-2	Diethylphthalate	68	U	68	47.9	190	ug/Kg
86-73-7	Fluorene	51	U	51	47.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53	U	53	47.9	190	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	92.9	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	92.9	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	47	U	47	47.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	47.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	47.9	190	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	47.9	190	ug/Kg
1912-24-9	Atrazine	44	U	44	92.9	370	ug/Kg
87-86-5	Pentachlorophenol	98	U	98	92.9	370	ug/Kg
85-01-8	Phenanthrene	81	J	50	47.9	190	ug/Kg
608-93-5	Pentachlorobenzene	57	U	57	47.9	190	ug/Kg
120-12-7	Anthracene	48	U	48	47.9	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	47.9	190	ug/Kg
86-74-8	Carbazole	51	U	51	92.9	370	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	47	47.9	190	ug/Kg
206-44-0	Fluoranthene	140	J	50	92.9	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E6	SDG No.:	BM111524
Lab Sample ID:	P4751-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.2
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		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
BM048713.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	89	J	50	47.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	47.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	92.9	370	ug/Kg
56-55-3	Benzo(a)anthracene	75	J	44	47.9	190	ug/Kg
218-01-9	Chrysene	78	J	51	47.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	50	U	50	47.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	38	U	38	92.9	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	99	J	47	47.9	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	51	U	51	47.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	47	U	47	47.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	42	U	42	47.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	42	U	42	47.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	47.9	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	47.9	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.408		15-120		18	SPK: -8
7291-22-7	Pyridine-d5	2.027	*	20-120		5	SPK: -40
4165-62-2	Phenol-d5	5.542		10-130		14	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	6.502		10-150		16	SPK: -40
93951-73-6	2-Chlorophenol-d4	6.459		15-120		16	SPK: -40
190780-66-6	4-Methylphenol-d8	3.909		10-140		10	SPK: -40
4165-60-0	Nitrobenzene-d5	6.091		10-135		15	SPK: -40
93951-78-1	2-Nitrophenol-d4	5.702		10-120		14	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	5.74		10-140		14	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.727		1-145		7	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.419		10-145		19	SPK: -40
93951-97-4	Acenaphthylene-d8	6.954		15-120		17	SPK: -40
93951-79-2	4-Nitrophenol-d4	2.251	*	10-150		6	SPK: -40
81103-79-9	Fluorene-d10	7.402	*	20-140		19	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E6	SDG No.:	BM111524
Lab Sample ID:	P4751-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.2
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
BM048713.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	2.97	*	10-130		7	SPK: -40
1719-06-8	Anthracene-d10	6.098		10-150		15	SPK: -40
1718-52-1	Pyrene-d10	6.091		10-130		15	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	4.087		10-140		10	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	112577	7.622				
1146-65-2	Naphthalene-d8	437444	10.41				
15067-26-2	Acenaphthene-d10	253130	14.274				
1517-22-2	Phenanthrene-d10	505632	17.021				
1719-03-5	Chrysene-d12	510297	21.244				
1520-96-3	Perylene-d12	617739	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			17.921	
E966796	Total Alkanes	54	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F4	SDG No.:	BM111524
Lab Sample ID:	P4751-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.9
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
BM048714.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.5	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	41	U	41	95.5	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.5	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.2	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.5	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.5	380	ug/Kg
98-86-2	Acetophenone	44	U	44	95.5	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.5	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.2	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.2	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.2	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.2	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.2	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.2	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.2	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.2	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.2	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.2	200	ug/Kg
90-12-0	1-Methylnaphthalene	47	U	47	49.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91	U	91	95.5	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F4	SDG No.:	BM111524
Lab Sample ID:	P4751-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.9
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
BM048714.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.2	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.2	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.2	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.2	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.5	380	ug/Kg
83-32-9	Acenaphthene	47	U	47	49.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.5	380	ug/Kg
100-02-7	4-Nitrophenol	47	U	47	95.5	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.2	200	ug/Kg
84-66-2	Diethylphthalate	69	U	69	49.2	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.2	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	95.5	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	95.5	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.2	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.2	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.5	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.5	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.2	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.2	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.2	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.2	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.5	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.2	200	ug/Kg
206-44-0	Fluoranthene	58	J	51	95.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F4	SDG No.:	BM111524
Lab Sample ID:	P4751-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.9
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
BM048714.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	54	J	51	49.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.2	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	95.5	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.2	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.2	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.341		15-120		42	SPK: -8
7291-22-7	Pyridine-d5	14.914		20-120		37	SPK: -40
4165-62-2	Phenol-d5	17.36		10-130		43	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.107		10-150		45	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.358		15-120		46	SPK: -40
190780-66-6	4-Methylphenol-d8	16.351		10-140		41	SPK: -40
4165-60-0	Nitrobenzene-d5	18.113		10-135		45	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.796		10-120		44	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.902		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	14.799		1-145		37	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.308		10-145		53	SPK: -40
93951-97-4	Acenaphthylene-d8	20.511		15-120		51	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.205		10-150		28	SPK: -40
81103-79-9	Fluorene-d10	21.264		20-140		53	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F4	SDG No.:	BM111524
Lab Sample ID:	P4751-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.9
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
BM048714.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	12.721		10-130		32	SPK: -40
1719-06-8	Anthracene-d10	20.176		10-150		50	SPK: -40
1718-52-1	Pyrene-d10	22.621		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.828		10-140		55	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119860	7.622				
1146-65-2	Naphthalene-d8	481405	10.404				
15067-26-2	Acenaphthene-d10	287469	14.274				
1517-22-2	Phenanthrene-d10	588467	17.021				
1719-03-5	Chrysene-d12	591203	21.25				
1520-96-3	Perylene-d12	694381	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	130	J			15.645	
000057-10-3	n-Hexadecanoic acid	320	J			17.927	
000057-11-4	Octadecanoic acid	83	J			19.209	
	(DEL) Alkane: Cyclic20.939	120	J			20.939	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F9	SDG No.:	BM111524
Lab Sample ID:	P4751-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048715.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.6	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	41	U	41	95.6	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.6	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.2	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.6	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.6	380	ug/Kg
98-86-2	Acetophenone	44	U	44	95.6	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.6	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.2	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.2	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.2	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.2	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.2	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.2	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.2	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.2	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.2	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.2	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	92	U	92	95.6	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F9	SDG No.:	BM111524
Lab Sample ID:	P4751-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048715.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.2	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.2	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.2	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.2	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.6	380	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.6	380	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	95.6	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.2	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.2	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.2	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	95.6	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	95.6	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.2	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.2	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.6	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.6	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.2	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.2	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.2	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.2	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.6	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.2	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	95.6	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F9	SDG No.:	BM111524
Lab Sample ID:	P4751-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048715.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.6	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.2	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	95.6	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.2	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.2	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.99		15-120		50	SPK: -8
7291-22-7	Pyridine-d5	18.193		20-120		45	SPK: -40
4165-62-2	Phenol-d5	22.147		10-130		55	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	22.719		10-150		57	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.831		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	22.493		10-140		56	SPK: -40
4165-60-0	Nitrobenzene-d5	24.287		10-135		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.538		10-120		61	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.013		10-140		55	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.648		1-145		57	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.8		10-145		75	SPK: -40
93951-97-4	Acenaphthylene-d8	27.849		15-120		70	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.111		10-150		38	SPK: -40
81103-79-9	Fluorene-d10	28.891		20-140		72	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F9	SDG No.:	BM111524
Lab Sample ID:	P4751-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048715.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.258		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	29.269		10-150		73	SPK: -40
1718-52-1	Pyrene-d10	31.249		10-130		78	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	30.295		10-140		76	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114801	7.622				
1146-65-2	Naphthalene-d8	452243	10.404				
15067-26-2	Acenaphthene-d10	271275	14.274				
1517-22-2	Phenanthrene-d10	551203	17.021				
1719-03-5	Chrysene-d12	540233	21.25				
1520-96-3	Perylene-d12	645946	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	190	J			15.645	
000057-10-3	n-Hexadecanoic acid	230	J			17.927	
	(DEL) Alkane: Cyclic	20.939	J			20.939	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G7	SDG No.:	BM111524
Lab Sample ID:	P4751-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048716.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14	U	14	7.3	74	ug/Kg
100-52-7	Benzaldehyde	83	U	83	91.8	370	ug/Kg
110-86-1	Pyridine	48	U	48	180	370	ug/Kg
108-95-2	Phenol	39	U	39	91.8	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	91.8	370	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	47.3	190	ug/Kg
95-48-7	2-Methylphenol	33	U	33	91.8	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	91.8	370	ug/Kg
98-86-2	Acetophenone	42	U	42	91.8	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	91.8	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	32	U	32	47.3	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	47.3	190	ug/Kg
98-95-3	Nitrobenzene	40	U	40	47.3	190	ug/Kg
78-59-1	Isophorone	38	U	38	47.3	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	47.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	31	U	31	47.3	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	42	U	42	47.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	43	U	43	47.3	190	ug/Kg
91-20-3	Naphthalene	38	U	38	47.3	190	ug/Kg
106-47-8	4-Chloroaniline	48	U	48	47.3	370	ug/Kg
87-68-3	Hexachlorobutadiene	38	U	38	47.3	190	ug/Kg
105-60-2	Caprolactam	130	U	130	91.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31	U	31	47.3	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	47.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	47.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	88	U	88	91.8	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48	U	48	47.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47	U	47	47.3	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G7	SDG No.:	BM111524
Lab Sample ID:	P4751-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048716.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	53	U	53	47.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	47.3	190	ug/Kg
88-74-4	2-Nitroaniline	24	U	24	47.3	190	ug/Kg
131-11-3	Dimethylphthalate	47	U	47	47.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	47.3	190	ug/Kg
208-96-8	Acenaphthylene	48	U	48	47.3	190	ug/Kg
99-09-2	3-Nitroaniline	22	U	22	91.8	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	47.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	91.8	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	91.8	370	ug/Kg
132-64-9	Dibenzofuran	51	U	51	47.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	47.3	190	ug/Kg
84-66-2	Diethylphthalate	67	U	67	47.3	190	ug/Kg
86-73-7	Fluorene	50	U	50	47.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	52	U	52	47.3	190	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	91.8	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	91.8	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	47	U	47	47.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	47.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	47.3	190	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	47.3	190	ug/Kg
1912-24-9	Atrazine	43	U	43	91.8	370	ug/Kg
87-86-5	Pentachlorophenol	97	U	97	91.8	370	ug/Kg
85-01-8	Phenanthrene	49	U	49	47.3	190	ug/Kg
608-93-5	Pentachlorobenzene	57	U	57	47.3	190	ug/Kg
120-12-7	Anthracene	48	U	48	47.3	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	47.3	190	ug/Kg
86-74-8	Carbazole	50	U	50	91.8	370	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	47	47.3	190	ug/Kg
206-44-0	Fluoranthene	49	U	49	91.8	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G7	SDG No.:	BM111524
Lab Sample ID:	P4751-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048716.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	49	U	49	47.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	47.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	91.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	43	U	43	47.3	190	ug/Kg
218-01-9	Chrysene	50	U	50	47.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	49	U	49	47.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	38	U	38	91.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	47.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	50	U	50	47.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	47	U	47	47.3	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	41	U	41	47.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41	U	41	47.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	47.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	41	47.3	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.532		15-120		44	SPK: -8
7291-22-7	Pyridine-d5	10.122		20-120		25	SPK: -40
4165-62-2	Phenol-d5	18.347		10-130		46	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.446		10-150		49	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.223		15-120		48	SPK: -40
190780-66-6	4-Methylphenol-d8	17.047		10-140		43	SPK: -40
4165-60-0	Nitrobenzene-d5	19.809		10-135		50	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.124		10-120		50	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.871		10-140		47	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.653		1-145		44	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.76		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	21.884		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.864		10-150		30	SPK: -40
81103-79-9	Fluorene-d10	22.65		20-140		57	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G7	SDG No.:	BM111524
Lab Sample ID:	P4751-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048716.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	13.555		10-130		34	SPK: -40
1719-06-8	Anthracene-d10	22.259		10-150		56	SPK: -40
1718-52-1	Pyrene-d10	23.756		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.788		10-140		57	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	116932	7.622				
1146-65-2	Naphthalene-d8	460831	10.404				
15067-26-2	Acenaphthene-d10	279900	14.274				
1517-22-2	Phenanthrene-d10	565134	17.021				
1719-03-5	Chrysene-d12	553497	21.25				
1520-96-3	Perylene-d12	653973	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	130	J			15.645	
000057-10-3	n-Hexadecanoic acid	130	J			17.927	
1000406-04-8	Pentadecafluorooctanoic acid, octa	92	J			20.939	
E966796	Total Alkanes	53	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F5	SDG No.:	BM111524
Lab Sample ID:	P4751-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.7
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
BM048717.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.4	74	ug/Kg
100-52-7	Benzaldehyde	84	U	84	92.1	370	ug/Kg
110-86-1	Pyridine	48	U	48	180	370	ug/Kg
108-95-2	Phenol	39	U	39	92.1	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	92.1	370	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	47.4	190	ug/Kg
95-48-7	2-Methylphenol	33	U	33	92.1	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	92.1	370	ug/Kg
98-86-2	Acetophenone	42	U	42	92.1	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	92.1	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	32	U	32	47.4	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	47.4	190	ug/Kg
98-95-3	Nitrobenzene	40	U	40	47.4	190	ug/Kg
78-59-1	Isophorone	38	U	38	47.4	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	47.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	31	U	31	47.4	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	42	U	42	47.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	47.4	190	ug/Kg
91-20-3	Naphthalene	38	U	38	47.4	190	ug/Kg
106-47-8	4-Chloroaniline	48	U	48	47.4	370	ug/Kg
87-68-3	Hexachlorobutadiene	38	U	38	47.4	190	ug/Kg
105-60-2	Caprolactam	130	U	130	92.1	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31	U	31	47.4	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	47.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	47.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	88	U	88	92.1	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48	U	48	47.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47	U	47	47.4	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F5	SDG No.:	BM111524
Lab Sample ID:	P4751-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.7
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
BM048717.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	54	U	54	47.4	190	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	47.4	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	47.4	190	ug/Kg
131-11-3	Dimethylphthalate	47	U	47	47.4	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	47.4	190	ug/Kg
208-96-8	Acenaphthylene	48	U	48	47.4	190	ug/Kg
99-09-2	3-Nitroaniline	22	U	22	92.1	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	47.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	92.1	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	92.1	370	ug/Kg
132-64-9	Dibenzofuran	51	U	51	47.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	47.4	190	ug/Kg
84-66-2	Diethylphthalate	67	U	67	47.4	190	ug/Kg
86-73-7	Fluorene	50	U	50	47.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	52	U	52	47.4	190	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	92.1	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	92.1	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	47	U	47	47.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	47.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	47.4	190	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	47.4	190	ug/Kg
1912-24-9	Atrazine	44	U	44	92.1	370	ug/Kg
87-86-5	Pentachlorophenol	97	U	97	92.1	370	ug/Kg
85-01-8	Phenanthrene	49	U	49	47.4	190	ug/Kg
608-93-5	Pentachlorobenzene	57	U	57	47.4	190	ug/Kg
120-12-7	Anthracene	48	U	48	47.4	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	47.4	190	ug/Kg
86-74-8	Carbazole	50	U	50	92.1	370	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	47	47.4	190	ug/Kg
206-44-0	Fluoranthene	49	U	49	92.1	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F5	SDG No.:	BM111524
Lab Sample ID:	P4751-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.7
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
BM048717.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	49	U	49	47.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	47.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	92.1	370	ug/Kg
56-55-3	Benzo(a)anthracene	44	U	44	47.4	190	ug/Kg
218-01-9	Chrysene	50	U	50	47.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	49	U	49	47.4	190	ug/Kg
117-84-0	Di-n-octyl phthalate	38	U	38	92.1	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	47.4	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	50	U	50	47.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	47	U	47	47.4	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	41	U	41	47.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	41	U	41	47.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	47.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	41	47.4	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.804		15-120		48	SPK: -8
7291-22-7	Pyridine-d5	15.045		20-120		38	SPK: -40
4165-62-2	Phenol-d5	19.875		10-130		50	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.827		10-150		52	SPK: -40
93951-73-6	2-Chlorophenol-d4	20.64		15-120		52	SPK: -40
190780-66-6	4-Methylphenol-d8	18.744		10-140		47	SPK: -40
4165-60-0	Nitrobenzene-d5	21.261		10-135		53	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.902		10-120		52	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.767		10-140		49	SPK: -40
191656-33-4	4-Chloroaniline-d4	18.779		1-145		47	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.402		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	23.954		15-120		60	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.341		10-150		36	SPK: -40
81103-79-9	Fluorene-d10	24.529		20-140		61	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F5	SDG No.:	BM111524
Lab Sample ID:	P4751-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.7
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
BM048717.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	15.482		10-130		39	SPK: -40
1719-06-8	Anthracene-d10	23.807		10-150		60	SPK: -40
1718-52-1	Pyrene-d10	25.74		10-130		64	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	25.146		10-140		63	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113801	7.622				
1146-65-2	Naphthalene-d8	452918	10.404				
15067-26-2	Acenaphthene-d10	268038	14.274				
1517-22-2	Phenanthrene-d10	549692	17.021				
1719-03-5	Chrysene-d12	537018	21.25				
1520-96-3	Perylene-d12	628549	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	150	J			15.639	
000057-10-3	n-Hexadecanoic acid	170	J			17.927	
	(DEL) Alkane: Straight-Chain	20.939	J			20.939	
E966796	Total Alkanes	100				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F6	SDG No.:	BM111524
Lab Sample ID:	P4751-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.2
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
BM048718.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

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	94	U	94	100	410	ug/Kg
110-86-1	Pyridine	54	U	54	210	410	ug/Kg
108-95-2	Phenol	44	U	44	100	410	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	43	U	43	100	410	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	53.3	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	34	U	34	100	410	ug/Kg
98-86-2	Acetophenone	48	U	48	100	410	ug/Kg
106-44-5	4-Methylphenol	40	U	40	100	410	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	36	U	36	53.3	210	ug/Kg
67-72-1	Hexachloroethane	29	U	29	53.3	210	ug/Kg
98-95-3	Nitrobenzene	45	U	45	53.3	210	ug/Kg
78-59-1	Isophorone	43	U	43	53.3	210	ug/Kg
88-75-5	2-Nitrophenol	40	U	40	53.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	53.3	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	48	U	48	53.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	53.3	210	ug/Kg
91-20-3	Naphthalene	43	U	43	53.3	210	ug/Kg
106-47-8	4-Chloroaniline	54	U	54	53.3	410	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	53.3	210	ug/Kg
105-60-2	Caprolactam	150	U	150	100	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	35	U	35	53.3	210	ug/Kg
90-12-0	1-Methylnaphthalene	51	U	51	53.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	46	U	46	53.3	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99	U	99	100	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54	U	54	53.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	53	U	53	53.3	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F6	SDG No.:	BM111524
Lab Sample ID:	P4751-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.2
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
BM048718.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	60	U	60	53.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	56	U	56	53.3	210	ug/Kg
88-74-4	2-Nitroaniline	28	U	28	53.3	210	ug/Kg
131-11-3	Dimethylphthalate	53	U	53	53.3	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	53.3	210	ug/Kg
208-96-8	Acenaphthylene	54	U	54	53.3	210	ug/Kg
99-09-2	3-Nitroaniline	25	U	25	100	410	ug/Kg
83-32-9	Acenaphthene	51	U	51	53.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	410	ug/Kg
100-02-7	4-Nitrophenol	51	U	51	100	410	ug/Kg
132-64-9	Dibenzofuran	58	U	58	53.3	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	34	U	34	53.3	210	ug/Kg
84-66-2	Diethylphthalate	75	U	75	53.3	210	ug/Kg
86-73-7	Fluorene	56	U	56	53.3	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59	U	59	53.3	210	ug/Kg
100-01-6	4-Nitroaniline	53	U	53	100	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	100	410	ug/Kg
86-30-6	N-Nitrosodiphenylamine	53	U	53	53.3	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64	U	64	53.3	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	56	U	56	53.3	210	ug/Kg
118-74-1	Hexachlorobenzene	63	U	63	53.3	210	ug/Kg
1912-24-9	Atrazine	49	U	49	100	410	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	410	ug/Kg
85-01-8	Phenanthrene	55	U	55	53.3	210	ug/Kg
608-93-5	Pentachlorobenzene	64	U	64	53.3	210	ug/Kg
120-12-7	Anthracene	54	U	54	53.3	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	41	U	41	53.3	210	ug/Kg
86-74-8	Carbazole	56	U	56	100	410	ug/Kg
84-74-2	Di-n-butylphthalate	53	U	53	53.3	210	ug/Kg
206-44-0	Fluoranthene	55	U	55	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F6	SDG No.:	BM111524
Lab Sample ID:	P4751-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.2
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
BM048718.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	55	U	55	53.3	210	ug/Kg
85-68-7	Butylbenzylphthalate	40	U	40	53.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	29	U	29	100	410	ug/Kg
56-55-3	Benzo(a)anthracene	49	U	49	53.3	210	ug/Kg
218-01-9	Chrysene	56	U	56	53.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	55	U	55	53.3	210	ug/Kg
117-84-0	Di-n-octyl phthalate	43	U	43	100	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	53	U	53	53.3	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	56	U	56	53.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	53	U	53	53.3	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46	U	46	53.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	46	U	46	53.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	44	U	44	53.3	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	53.3	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.998		15-120		50	SPK: -8
7291-22-7	Pyridine-d5	18.022		20-120		45	SPK: -40
4165-62-2	Phenol-d5	22.489		10-130		56	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.116		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.944		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	21.829		10-140		55	SPK: -40
4165-60-0	Nitrobenzene-d5	24.316		10-135		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.099		10-120		60	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.848		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.104		1-145		55	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.942		10-145		72	SPK: -40
93951-97-4	Acenaphthylene-d8	27.717		15-120		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.307		10-150		31	SPK: -40
81103-79-9	Fluorene-d10	28.601		20-140		72	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F6	SDG No.:	BM111524
Lab Sample ID:	P4751-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.2
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
BM048718.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.031		10-130		35	SPK: -40
1719-06-8	Anthracene-d10	28.331		10-150		71	SPK: -40
1718-52-1	Pyrene-d10	30.046		10-130		75	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.512		10-140		74	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113509	7.622				
1146-65-2	Naphthalene-d8	448638	10.404				
15067-26-2	Acenaphthene-d10	268058	14.274				
1517-22-2	Phenanthrene-d10	546404	17.021				
1719-03-5	Chrysene-d12	538946	21.25				
1520-96-3	Perylene-d12	646805	24.127				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	200	J			15.645	
000057-10-3	n-Hexadecanoic acid	210	J			17.927	
1000406-04-8	Pentadecafluorooctanoic acid, octa	130	J			20.939	
E966796	Total Alkanes	60	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E7	SDG No.:	BM111524
Lab Sample ID:	P4751-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.4
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
BM048719.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.8	79	ug/Kg
100-52-7	Benzaldehyde	89	U	89	97.5	390	ug/Kg
110-86-1	Pyridine	51	U	51	200	390	ug/Kg
108-95-2	Phenol	41	U	41	97.5	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	97.5	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50.2	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	97.5	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	97.5	390	ug/Kg
98-86-2	Acetophenone	45	U	45	97.5	390	ug/Kg
106-44-5	4-Methylphenol	38	U	38	97.5	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	50.2	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	50.2	200	ug/Kg
98-95-3	Nitrobenzene	43	U	43	50.2	200	ug/Kg
78-59-1	Isophorone	40	U	40	50.2	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	50.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	50.2	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	50.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50.2	200	ug/Kg
91-20-3	Naphthalene	40	U	40	50.2	200	ug/Kg
106-47-8	4-Chloroaniline	51	U	51	50.2	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	50.2	200	ug/Kg
105-60-2	Caprolactam	140	U	140	97.5	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	50.2	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	50.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	50.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93	U	93	97.5	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51	U	51	50.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	50.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E7	SDG No.:	BM111524
Lab Sample ID:	P4751-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.4
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
BM048719.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	57	U	57	50.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	50.2	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	50.2	200	ug/Kg
131-11-3	Dimethylphthalate	50	U	50	50.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	50.2	200	ug/Kg
208-96-8	Acenaphthylene	51	U	51	50.2	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	97.5	390	ug/Kg
83-32-9	Acenaphthene	48	U	48	50.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	97.5	390	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	97.5	390	ug/Kg
132-64-9	Dibenzofuran	54	U	54	50.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	50.2	200	ug/Kg
84-66-2	Diethylphthalate	71	U	71	50.2	200	ug/Kg
86-73-7	Fluorene	53	U	53	50.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56	U	56	50.2	200	ug/Kg
100-01-6	4-Nitroaniline	50	U	50	97.5	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	97.5	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	50.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	50.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	50.2	200	ug/Kg
118-74-1	Hexachlorobenzene	59	U	59	50.2	200	ug/Kg
1912-24-9	Atrazine	46	U	46	97.5	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	97.5	390	ug/Kg
85-01-8	Phenanthrene	52	U	52	50.2	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	50.2	200	ug/Kg
120-12-7	Anthracene	51	U	51	50.2	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	50.2	200	ug/Kg
86-74-8	Carbazole	53	U	53	97.5	390	ug/Kg
84-74-2	Di-n-butylphthalate	50	U	50	50.2	200	ug/Kg
206-44-0	Fluoranthene	52	U	52	97.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E7	SDG No.:	BM111524
Lab Sample ID:	P4751-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.4
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
BM048719.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	52	U	52	50.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	50.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	97.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	50.2	200	ug/Kg
218-01-9	Chrysene	53	U	53	50.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	52	U	52	50.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	97.5	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	50.2	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	50.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	50.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	50.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	50.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	50.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	50.2	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.32		15-120		41	SPK: -8
7291-22-7	Pyridine-d5	12.891		20-120		32	SPK: -40
4165-62-2	Phenol-d5	16.341		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.708		10-150		42	SPK: -40
93951-73-6	2-Chlorophenol-d4	16.977		15-120		42	SPK: -40
190780-66-6	4-Methylphenol-d8	15.717		10-140		39	SPK: -40
4165-60-0	Nitrobenzene-d5	16.982		10-135		42	SPK: -40
93951-78-1	2-Nitrophenol-d4	16.735		10-120		42	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	16.53		10-140		41	SPK: -40
191656-33-4	4-Chloroaniline-d4	15.769		1-145		39	SPK: -40
85448-30-2	Dimethylphthalate-d6	20.599		10-145		51	SPK: -40
93951-97-4	Acenaphthylene-d8	19.65		15-120		49	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.72		10-150		29	SPK: -40
81103-79-9	Fluorene-d10	20.475		20-140		51	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E7	SDG No.:	BM111524
Lab Sample ID:	P4751-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.4
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
BM048719.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	12.436		10-130		31	SPK: -40
1719-06-8	Anthracene-d10	19.702		10-150		49	SPK: -40
1718-52-1	Pyrene-d10	21.382		10-130		53	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.755		10-140		52	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130289	7.622				
1146-65-2	Naphthalene-d8	508839	10.404				
15067-26-2	Acenaphthene-d10	296781	14.274				
1517-22-2	Phenanthrene-d10	602314	17.021				
1719-03-5	Chrysene-d12	604613	21.25				
1520-96-3	Perylene-d12	729134	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	150	J			15.645	
000057-10-3	n-Hexadecanoic acid	190	J			17.927	
1000406-04-8	Pentadecafluorooctanoic acid, octa	89	J			20.939	
E966796	Total Alkanes	57	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D1	SDG No.:	BM111524
Lab Sample ID:	P4751-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048720.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.6	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	41	U	41	95.6	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.6	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.3	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.6	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.6	380	ug/Kg
98-86-2	Acetophenone	44	U	44	95.6	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.6	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.3	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.3	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.3	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.3	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.3	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.3	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.3	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.3	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.3	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.3	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.3	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	92	U	92	95.6	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.3	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D1	SDG No.:	BM111524
Lab Sample ID:	P4751-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048720.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.3	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.3	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.3	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.3	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.6	380	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.6	380	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	95.6	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.3	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.3	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.3	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.3	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	95.6	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	95.6	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.3	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.3	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.3	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.6	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.6	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.3	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.3	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.3	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.3	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.6	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.3	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	95.6	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D1	SDG No.:	BM111524
Lab Sample ID:	P4751-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048720.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.3	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.6	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.3	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.3	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	95.6	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.3	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.3	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.3	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.729		15-120		47	SPK: -8
7291-22-7	Pyridine-d5	15.424		20-120		39	SPK: -40
4165-62-2	Phenol-d5	20.776		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.286		10-150		53	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.225		15-120		53	SPK: -40
190780-66-6	4-Methylphenol-d8	21.17		10-140		53	SPK: -40
4165-60-0	Nitrobenzene-d5	22.081		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.31		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.822		10-140		52	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.06		1-145		50	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.317		10-145		66	SPK: -40
93951-97-4	Acenaphthylene-d8	25.166		15-120		63	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.489		10-150		36	SPK: -40
81103-79-9	Fluorene-d10	26.076		20-140		65	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9D1	SDG No.:	BM111524
Lab Sample ID:	P4751-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048720.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	15.832		10-130		40	SPK: -40
1719-06-8	Anthracene-d10	25.102		10-150		63	SPK: -40
1718-52-1	Pyrene-d10	27.022		10-130		68	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.693		10-140		67	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	124050	7.622				
1146-65-2	Naphthalene-d8	489965	10.404				
15067-26-2	Acenaphthene-d10	287772	14.274				
1517-22-2	Phenanthrene-d10	591325	17.021				
1719-03-5	Chrysene-d12	586804	21.25				
1520-96-3	Perylene-d12	693109	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	150	J			15.645	
000057-10-3	n-Hexadecanoic acid	220	J			17.927	
015594-90-8	1-Heneicosanol	95	J			20.939	
E966796	Total Alkanes	56	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E3	SDG No.:	BM111524
Lab Sample ID:	P4751-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.1
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
BM048721.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.5	76	ug/Kg
100-52-7	Benzaldehyde	85	U	85	93.5	370	ug/Kg
110-86-1	Pyridine	49	U	49	190	370	ug/Kg
108-95-2	Phenol	40	U	40	93.5	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	93.5	370	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	48.2	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	93.5	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	93.5	370	ug/Kg
98-86-2	Acetophenone	43	U	43	93.5	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	93.5	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	48.2	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	48.2	190	ug/Kg
98-95-3	Nitrobenzene	41	U	41	48.2	190	ug/Kg
78-59-1	Isophorone	39	U	39	48.2	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	48.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	48.2	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	48.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	48.2	190	ug/Kg
91-20-3	Naphthalene	39	U	39	48.2	190	ug/Kg
106-47-8	4-Chloroaniline	49	U	49	48.2	370	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	48.2	190	ug/Kg
105-60-2	Caprolactam	140	U	140	93.5	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	48.2	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	48.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	42	U	42	48.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	90	U	90	93.5	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	48.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	48.2	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E3	SDG No.:	BM111524
Lab Sample ID:	P4751-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.1
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
BM048721.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	54	U	54	48.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	51	U	51	48.2	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	48.2	190	ug/Kg
131-11-3	Dimethylphthalate	48	U	48	48.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	48.2	190	ug/Kg
208-96-8	Acenaphthylene	49	U	49	48.2	190	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	93.5	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	48.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	93.5	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	93.5	370	ug/Kg
132-64-9	Dibenzofuran	52	U	52	48.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	48.2	190	ug/Kg
84-66-2	Diethylphthalate	68	U	68	48.2	190	ug/Kg
86-73-7	Fluorene	51	U	51	48.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53	U	53	48.2	190	ug/Kg
100-01-6	4-Nitroaniline	48	U	48	93.5	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	93.5	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	48	U	48	48.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58	U	58	48.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	48.2	190	ug/Kg
118-74-1	Hexachlorobenzene	57	U	57	48.2	190	ug/Kg
1912-24-9	Atrazine	44	U	44	93.5	370	ug/Kg
87-86-5	Pentachlorophenol	99	U	99	93.5	370	ug/Kg
85-01-8	Phenanthrene	50	U	50	48.2	190	ug/Kg
608-93-5	Pentachlorobenzene	58	U	58	48.2	190	ug/Kg
120-12-7	Anthracene	49	U	49	48.2	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	48.2	190	ug/Kg
86-74-8	Carbazole	51	U	51	93.5	370	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	48	48.2	190	ug/Kg
206-44-0	Fluoranthene	50	U	50	93.5	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E3	SDG No.:	BM111524
Lab Sample ID:	P4751-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.1
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
BM048721.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	50	U	50	48.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	48.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	93.5	370	ug/Kg
56-55-3	Benzo(a)anthracene	44	U	44	48.2	190	ug/Kg
218-01-9	Chrysene	51	U	51	48.2	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	50	U	50	48.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	93.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	48	U	48	48.2	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	51	U	51	48.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	48	U	48	48.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	42	U	42	48.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	42	U	42	48.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	48.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	48.2	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.657		15-120		46	SPK: -8
7291-22-7	Pyridine-d5	11.713		20-120		29	SPK: -40
4165-62-2	Phenol-d5	20.257		10-130		51	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	22.702		10-150		57	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.946		15-120		55	SPK: -40
190780-66-6	4-Methylphenol-d8	20.434		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	23.2		10-135		58	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.069		10-120		58	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.835		10-140		50	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.55		1-145		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.606		10-145		72	SPK: -40
93951-97-4	Acenaphthylene-d8	27.015		15-120		68	SPK: -40
93951-79-2	4-Nitrophenol-d4	13.068		10-150		33	SPK: -40
81103-79-9	Fluorene-d10	28.242		20-140		71	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E3	SDG No.:	BM111524
Lab Sample ID:	P4751-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.1
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
BM048721.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.639		10-130		37	SPK: -40
1719-06-8	Anthracene-d10	28.602		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	30.318		10-130		76	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.523		10-140		74	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	117672	7.622				
1146-65-2	Naphthalene-d8	466336	10.41				
15067-26-2	Acenaphthene-d10	279717	14.274				
1517-22-2	Phenanthrene-d10	568187	17.021				
1719-03-5	Chrysene-d12	554303	21.25				
1520-96-3	Perylene-d12	659862	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	150	J			15.645	
000057-10-3	n-Hexadecanoic acid	170	J			17.927	
1000406-04-8	Pentadecafluorooctanoic acid, octa	140	J			20.939	
E966796	Total Alkanes	54	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C7	SDG No.:	BM111524
Lab Sample ID:	P4751-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.6
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
BM048722.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.8	79	ug/Kg
100-52-7	Benzaldehyde	89	U	89	97.7	390	ug/Kg
110-86-1	Pyridine	51	U	51	200	390	ug/Kg
108-95-2	Phenol	41	U	41	97.7	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	97.7	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50.4	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	97.7	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	97.7	390	ug/Kg
98-86-2	Acetophenone	45	U	45	97.7	390	ug/Kg
106-44-5	4-Methylphenol	38	U	38	97.7	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	50.4	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	50.4	200	ug/Kg
98-95-3	Nitrobenzene	43	U	43	50.4	200	ug/Kg
78-59-1	Isophorone	40	U	40	50.4	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	50.4	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	50.4	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	50.4	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50.4	200	ug/Kg
91-20-3	Naphthalene	40	U	40	50.4	200	ug/Kg
106-47-8	4-Chloroaniline	51	U	51	50.4	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	50.4	200	ug/Kg
105-60-2	Caprolactam	140	U	140	97.7	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	50.4	200	ug/Kg
90-12-0	1-Methylnaphthalene	49	U	49	50.4	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	50.4	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	94	U	94	97.7	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51	U	51	50.4	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	50.4	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C7	SDG No.:	BM111524
Lab Sample ID:	P4751-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.6
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
BM048722.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	57	U	57	50.4	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	50.4	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	50.4	200	ug/Kg
131-11-3	Dimethylphthalate	50	U	50	50.4	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	50.4	200	ug/Kg
208-96-8	Acenaphthylene	51	U	51	50.4	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	97.7	390	ug/Kg
83-32-9	Acenaphthene	49	U	49	50.4	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	97.7	390	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	97.7	390	ug/Kg
132-64-9	Dibenzofuran	55	U	55	50.4	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	50.4	200	ug/Kg
84-66-2	Diethylphthalate	71	U	71	50.4	200	ug/Kg
86-73-7	Fluorene	53	U	53	50.4	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56	U	56	50.4	200	ug/Kg
100-01-6	4-Nitroaniline	50	U	50	97.7	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	97.7	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	50.4	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	50.4	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	50.4	200	ug/Kg
118-74-1	Hexachlorobenzene	59	U	59	50.4	200	ug/Kg
1912-24-9	Atrazine	46	U	46	97.7	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	97.7	390	ug/Kg
85-01-8	Phenanthrene	52	U	52	50.4	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	50.4	200	ug/Kg
120-12-7	Anthracene	51	U	51	50.4	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	50.4	200	ug/Kg
86-74-8	Carbazole	53	U	53	97.7	390	ug/Kg
84-74-2	Di-n-butylphthalate	50	U	50	50.4	200	ug/Kg
206-44-0	Fluoranthene	52	U	52	97.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C7	SDG No.:	BM111524
Lab Sample ID:	P4751-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.6
Sample Wt/Vol:	30	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
BM048722.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	52	U	52	50.4	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	50.4	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	97.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	50.4	200	ug/Kg
218-01-9	Chrysene	53	U	53	50.4	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	52	U	52	50.4	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	97.7	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	50.4	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	50.4	200	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	50.4	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	50.4	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	50.4	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	50.4	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	50.4	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.037		15-120		38	SPK: -8
7291-22-7	Pyridine-d5	11.016		20-120		28	SPK: -40
4165-62-2	Phenol-d5	16.875		10-130		42	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.021		10-150		45	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.713		15-120		44	SPK: -40
190780-66-6	4-Methylphenol-d8	16.307		10-140		41	SPK: -40
4165-60-0	Nitrobenzene-d5	19.089		10-135		48	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.61		10-120		47	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	16.223		10-140		41	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.042		1-145		43	SPK: -40
85448-30-2	Dimethylphthalate-d6	23.003		10-145		58	SPK: -40
93951-97-4	Acenaphthylene-d8	21.807		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	10.185		10-150		25	SPK: -40
81103-79-9	Fluorene-d10	22.552		20-140		56	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C7	SDG No.:	BM111524
Lab Sample ID:	P4751-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.6
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
BM048722.D	1	11/9/2024 12:00:00 AM	11/15/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	11.391		10-130		28	SPK: -40
1719-06-8	Anthracene-d10	22.721		10-150		57	SPK: -40
1718-52-1	Pyrene-d10	23.77		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.358		10-140		58	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114027	7.622				
1146-65-2	Naphthalene-d8	434218	10.41				
15067-26-2	Acenaphthene-d10	253465	14.274				
1517-22-2	Phenanthrene-d10	510774	17.021				
1719-03-5	Chrysene-d12	515428	21.25				
1520-96-3	Perylene-d12	634584	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	170	J			15.645	
000057-10-3	n-Hexadecanoic acid	140	J			17.927	
	(DEL) Alkane: Cyclic20.939	81	J			20.939	
E966796	Total Alkanes	81				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C8	SDG No.:	BM111524
Lab Sample ID:	P4751-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.5
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
BM048723.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.7	78	ug/Kg
100-52-7	Benzaldehyde	87	U	87	96.2	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	41	U	41	96.2	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	96.2	380	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	49.5	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	96.2	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	96.2	380	ug/Kg
98-86-2	Acetophenone	44	U	44	96.2	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	96.2	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.5	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.5	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.5	200	ug/Kg
78-59-1	Isophorone	40	U	40	49.5	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	49.5	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.5	200	ug/Kg
91-20-3	Naphthalene	40	U	40	49.5	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.5	380	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	49.5	200	ug/Kg
105-60-2	Caprolactam	140	U	140	96.2	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	49.5	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	92	U	92	96.2	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C8	SDG No.:	BM111524
Lab Sample ID:	P4751-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.5
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
BM048723.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.5	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	49.5	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.5	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.5	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	96.2	380	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	96.2	380	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	96.2	380	ug/Kg
132-64-9	Dibenzofuran	54	U	54	49.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.5	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.5	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55	U	55	49.5	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	96.2	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	96.2	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.5	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.5	200	ug/Kg
1912-24-9	Atrazine	45	U	45	96.2	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	96.2	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.5	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.5	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.5	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.5	200	ug/Kg
86-74-8	Carbazole	52	U	52	96.2	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.5	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	96.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C8	SDG No.:	BM111524
Lab Sample ID:	P4751-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.5
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
BM048723.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	96.2	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.5	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.5	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	96.2	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.5	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.5	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.169		15-120		40	SPK: -8
7291-22-7	Pyridine-d5	13.414		20-120		34	SPK: -40
4165-62-2	Phenol-d5	17.246		10-130		43	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	17.344		10-150		43	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.803		15-120		45	SPK: -40
190780-66-6	4-Methylphenol-d8	17.694		10-140		44	SPK: -40
4165-60-0	Nitrobenzene-d5	18.291		10-135		46	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.677		10-120		44	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.572		10-140		44	SPK: -40
191656-33-4	4-Chloroaniline-d4	16.555		1-145		41	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.244		10-145		56	SPK: -40
93951-97-4	Acenaphthylene-d8	20.864		15-120		52	SPK: -40
93951-79-2	4-Nitrophenol-d4	10.055		10-150		25	SPK: -40
81103-79-9	Fluorene-d10	21.793		20-140		54	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C8	SDG No.:	BM111524
Lab Sample ID:	P4751-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.5
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
BM048723.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	11.012		10-130		28	SPK: -40
1719-06-8	Anthracene-d10	22.076		10-150		55	SPK: -40
1718-52-1	Pyrene-d10	23.578		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.578		10-140		56	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125456	7.622				
1146-65-2	Naphthalene-d8	489359	10.404				
15067-26-2	Acenaphthene-d10	291460	14.274				
1517-22-2	Phenanthrene-d10	590942	17.021				
1719-03-5	Chrysene-d12	575984	21.25				
1520-96-3	Perylene-d12	681917	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	140	J			15.645	
000057-10-3	n-Hexadecanoic acid	190	J			17.927	
	(DEL) Alkane: Straight-Chain	20.939	J			20.939	
E966796	Total Alkanes	82				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS821	SDG No.:	BM111524
Lab Sample ID:	PB164821BS	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
BM048724.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	360		13	6.6	67	ug/Kg
110-86-1	Pyridine	960		43	170	330	ug/Kg
100-52-7	Benzaldehyde	110	J	75	82.5	330	ug/Kg
108-95-2	Phenol	1000		35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	990		34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	1000		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	1000		30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27	82.5	330	ug/Kg
98-86-2	Acetophenone	990		38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	1000		32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1000		29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	1000		23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1000		36	42.5	170	ug/Kg
78-59-1	Isophorone	1000		34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1000		32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	870		28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1000		38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		39	42.5	170	ug/Kg
91-20-3	Naphthalene	1000		34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	490		43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	990		34	42.5	170	ug/Kg
105-60-2	Caprolactam	1000		120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	990		41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1000		37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	820		79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS821	SDG No.:	BM111524
Lab Sample ID:	PB164821BS	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
BM048724.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1000		48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1000		45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1100		22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	1000		42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1000		43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	980		20	82.5	330	ug/Kg
83-32-9	Acenaphthene	1000		41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	1000		41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1000		46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	1100		60	42.5	170	ug/Kg
86-73-7	Fluorene	1000		45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1100		42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1000		42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1000		50	42.5	170	ug/Kg
1912-24-9	Atrazine	970		39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	1000		87	82.5	330	ug/Kg
85-01-8	Phenanthrene	1000		44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	980		51	42.5	170	ug/Kg
120-12-7	Anthracene	1000		43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	970		33	42.5	170	ug/Kg
86-74-8	Carbazole	1100		45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1100		42	42.5	170	ug/Kg
206-44-0	Fluoranthene	1100		44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS821	SDG No.:	BM111524
Lab Sample ID:	PB164821BS	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
BM048724.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1000		44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	1100		32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1000		39	42.5	170	ug/Kg
218-01-9	Chrysene	1000		45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1100		42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.848		15-120		73	SPK: -8
7291-22-7	Pyridine-d5	28.981		20-120		72	SPK: -40
4165-62-2	Phenol-d5	30.67		10-130		77	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.12		10-150		75	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.423		15-120		79	SPK: -40
190780-66-6	4-Methylphenol-d8	30.162		10-140		75	SPK: -40
4165-60-0	Nitrobenzene-d5	31.747		10-135		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.862		10-120		80	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.734		10-140		79	SPK: -40
191656-33-4	4-Chloroaniline-d4	26.465		1-145		66	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.065		10-145		80	SPK: -40
93951-97-4	Acenaphthylene-d8	31.445		15-120		79	SPK: -40
93951-79-2	4-Nitrophenol-d4	31.796		10-150		79	SPK: -40
81103-79-9	Fluorene-d10	31.573		20-140		79	SPK: -40

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SLCS821	SDG No.:	BM111524
Lab Sample ID:	PB164821BS	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
BM048724.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	34.269		10-130		86	SPK: -40
1719-06-8	Anthracene-d10	31.429		10-150		79	SPK: -40
1718-52-1	Pyrene-d10	32.149		10-130		80	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.998		10-140		80	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128003	7.622				
1146-65-2	Naphthalene-d8	511781	10.404				
15067-26-2	Acenaphthene-d10	311717	14.274				
1517-22-2	Phenanthrene-d10	630282	17.021				
1719-03-5	Chrysene-d12	619911	21.25				
1520-96-3	Perylene-d12	720076	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048726.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

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:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048726.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

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:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048726.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

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	5.818		15-120		73	SPK: -8
7291-22-7	Pyridine-d5	27.847		20-120		70	SPK: -40
4165-62-2	Phenol-d5	29.349		10-130		73	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.045		10-150		75	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.508		15-120		76	SPK: -40
190780-66-6	4-Methylphenol-d8	28.586		10-140		71	SPK: -40
4165-60-0	Nitrobenzene-d5	31.369		10-135		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.038		10-120		78	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.106		10-140		68	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.438		1-145		71	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.142		10-145		83	SPK: -40
93951-97-4	Acenaphthylene-d8	32.341		15-120		81	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.687		10-150		52	SPK: -40
81103-79-9	Fluorene-d10	32.54		20-140		81	SPK: -40

Report of Analysis

Client:		Date Collected:	11/9/2024 12:00:00 AM
Project:		Date Received:	11/9/2024 12:00:00 AM
Client Sample ID:	SBLK821	SDG No.:	BM111524
Lab Sample ID:	PB164821BL	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
BM048726.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.671		10-130		67	SPK: -40
1719-06-8	Anthracene-d10	32.855		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	33.994		10-130		85	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.342		10-140		83	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136353	7.622				
1146-65-2	Naphthalene-d8	525848	10.404				
15067-26-2	Acenaphthene-d10	306137	14.274				
1517-22-2	Phenanthrene-d10	612646	17.021				
1719-03-5	Chrysene-d12	600164	21.25				
1520-96-3	Perylene-d12	744186	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C6	SDG No.:	BM111524
Lab Sample ID:	P4751-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.7
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
BM048727.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.7	78	ug/Kg
100-52-7	Benzaldehyde	88	U	88	96.7	390	ug/Kg
110-86-1	Pyridine	50	U	50	190	390	ug/Kg
108-95-2	Phenol	50	J	41	96.7	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	96.7	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	49.8	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	96.7	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	96.7	390	ug/Kg
98-86-2	Acetophenone	220	J	45	96.7	390	ug/Kg
106-44-5	4-Methylphenol	38	U	38	96.7	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.8	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.8	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.8	200	ug/Kg
78-59-1	Isophorone	40	U	40	49.8	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	49.8	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	49.8	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	49.8	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	49.8	200	ug/Kg
91-20-3	Naphthalene	40	U	40	49.8	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.8	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	49.8	200	ug/Kg
105-60-2	Caprolactam	140	U	140	96.7	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	49.8	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.8	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.8	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93	U	93	96.7	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.8	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.8	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C6	SDG No.:	BM111524
Lab Sample ID:	P4751-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.7
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
BM048727.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.8	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	49.8	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	49.8	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.8	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	49.8	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.8	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	96.7	390	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.8	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	96.7	390	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	96.7	390	ug/Kg
132-64-9	Dibenzofuran	54	U	54	49.8	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	49.8	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.8	200	ug/Kg
86-73-7	Fluorene	53	U	53	49.8	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55	U	55	49.8	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	96.7	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	96.7	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.8	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	49.8	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	49.8	200	ug/Kg
118-74-1	Hexachlorobenzene	59	U	59	49.8	200	ug/Kg
1912-24-9	Atrazine	46	U	46	96.7	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	96.7	390	ug/Kg
85-01-8	Phenanthrene	140	J	52	49.8	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	49.8	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.8	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	49.8	200	ug/Kg
86-74-8	Carbazole	53	U	53	96.7	390	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.8	200	ug/Kg
206-44-0	Fluoranthene	360		52	96.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C6	SDG No.:	BM111524
Lab Sample ID:	P4751-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.7
Sample Wt/Vol:	30	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
BM048727.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	200		52	49.8	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	49.8	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	96.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	46	49.8	200	ug/Kg
218-01-9	Chrysene	180	J	53	49.8	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	52	U	52	49.8	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	96.7	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	220		49	49.8	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	87	J	53	49.8	200	ug/Kg
50-32-8	Benzo(a)pyrene	67	J	49	49.8	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	59	J	43	49.8	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.8	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.8	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.8	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.389		15-120		30	SPK: -8
7291-22-7	Pyridine-d5	2.053	*	20-120		5	SPK: -40
4165-62-2	Phenol-d5	13.133		10-130		33	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	13.182		10-150		33	SPK: -40
93951-73-6	2-Chlorophenol-d4	13.648		15-120		34	SPK: -40
190780-66-6	4-Methylphenol-d8	11.116		10-140		28	SPK: -40
4165-60-0	Nitrobenzene-d5	12.655		10-135		32	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.47		10-120		31	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	13.692		10-140		34	SPK: -40
191656-33-4	4-Chloroaniline-d4	4.387		1-145		11	SPK: -40
85448-30-2	Dimethylphthalate-d6	16.914		10-145		42	SPK: -40
93951-97-4	Acenaphthylene-d8	15.729		15-120		39	SPK: -40
93951-79-2	4-Nitrophenol-d4	9.335		10-150		23	SPK: -40
81103-79-9	Fluorene-d10	17.05		20-140		43	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9C6	SDG No.:	BM111524
Lab Sample ID:	P4751-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.7
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
BM048727.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	7.542		10-130		19	SPK: -40
1719-06-8	Anthracene-d10	16.636		10-150		42	SPK: -40
1718-52-1	Pyrene-d10	13.867		10-130		35	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	9.062		10-140		23	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	126663	7.622				
1146-65-2	Naphthalene-d8	506806	10.404				
15067-26-2	Acenaphthene-d10	296573	14.274				
1517-22-2	Phenanthrene-d10	604513	17.021				
1719-03-5	Chrysene-d12	610147	21.244				
1520-96-3	Perylene-d12	741311	24.132				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	120	J			15.645	
000057-10-3	n-Hexadecanoic acid	250	J			17.927	
E966796	Total Alkanes	56	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G3	SDG No.:	BM111524
Lab Sample ID:	P4751-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12
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
BM048728.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.5	76	ug/Kg
100-52-7	Benzaldehyde	85	U	85	93.8	380	ug/Kg
110-86-1	Pyridine	49	U	49	190	380	ug/Kg
108-95-2	Phenol	46	J	40	93.8	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	93.8	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	48.3	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	93.8	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	93.8	380	ug/Kg
98-86-2	Acetophenone	200	J	43	93.8	380	ug/Kg
106-44-5	4-Methylphenol	36	U	36	93.8	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	48.3	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	48.3	190	ug/Kg
98-95-3	Nitrobenzene	41	U	41	48.3	190	ug/Kg
78-59-1	Isophorone	39	U	39	48.3	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	48.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	48.3	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	48.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	48.3	190	ug/Kg
91-20-3	Naphthalene	39	U	39	48.3	190	ug/Kg
106-47-8	4-Chloroaniline	49	U	49	48.3	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	48.3	190	ug/Kg
105-60-2	Caprolactam	140	U	140	93.8	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	48.3	190	ug/Kg
90-12-0	1-Methylnaphthalene	47	U	47	48.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	42	U	42	48.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	90	U	90	93.8	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	48.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	48.3	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G3	SDG No.:	BM111524
Lab Sample ID:	P4751-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12
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
BM048728.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	55	U	55	48.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	51	U	51	48.3	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	48.3	190	ug/Kg
131-11-3	Dimethylphthalate	48	U	48	48.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	48.3	190	ug/Kg
208-96-8	Acenaphthylene	49	U	49	48.3	190	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	93.8	380	ug/Kg
83-32-9	Acenaphthene	63	J	47	48.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	93.8	380	ug/Kg
100-02-7	4-Nitrophenol	47	U	47	93.8	380	ug/Kg
132-64-9	Dibenzofuran	52	U	52	48.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	48.3	190	ug/Kg
84-66-2	Diethylphthalate	68	U	68	48.3	190	ug/Kg
86-73-7	Fluorene	63	J	51	48.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53	U	53	48.3	190	ug/Kg
100-01-6	4-Nitroaniline	48	U	48	93.8	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	93.8	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	48	U	48	48.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58	U	58	48.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	48.3	190	ug/Kg
118-74-1	Hexachlorobenzene	57	U	57	48.3	190	ug/Kg
1912-24-9	Atrazine	44	U	44	93.8	380	ug/Kg
87-86-5	Pentachlorophenol	99	U	99	93.8	380	ug/Kg
85-01-8	Phenanthrene	740		50	48.3	190	ug/Kg
608-93-5	Pentachlorobenzene	58	U	58	48.3	190	ug/Kg
120-12-7	Anthracene	160	J	49	48.3	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	48.3	190	ug/Kg
86-74-8	Carbazole	72	J	51	93.8	380	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	48	48.3	190	ug/Kg
206-44-0	Fluoranthene	1400		50	93.8	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G3	SDG No.:	BM111524
Lab Sample ID:	P4751-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12
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
BM048728.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	770		50	48.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	48.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	93.8	380	ug/Kg
56-55-3	Benzo(a)anthracene	620		44	48.3	190	ug/Kg
218-01-9	Chrysene	630		51	48.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	50	U	50	48.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	93.8	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	760		48	48.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	290		51	48.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	250		48	48.3	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		42	48.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	94	J	42	48.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	48.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	48.3	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.28		15-120		28	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	11.692		10-130		29	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	13.432		10-150		34	SPK: -40
93951-73-6	2-Chlorophenol-d4	13.508		15-120		34	SPK: -40
190780-66-6	4-Methylphenol-d8	10.375		10-140		26	SPK: -40
4165-60-0	Nitrobenzene-d5	12.745		10-135		32	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.581		10-120		31	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	12.358		10-140		31	SPK: -40
191656-33-4	4-Chloroaniline-d4	6.144		1-145		15	SPK: -40
85448-30-2	Dimethylphthalate-d6	15.293		10-145		38	SPK: -40
93951-97-4	Acenaphthylene-d8	14.516		15-120		36	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.748		10-150		12	SPK: -40
81103-79-9	Fluorene-d10	15.313		20-140		38	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G3	SDG No.:	BM111524
Lab Sample ID:	P4751-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12
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
BM048728.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	5.402		10-130		14	SPK: -40
1719-06-8	Anthracene-d10	14.604		10-150		37	SPK: -40
1718-52-1	Pyrene-d10	12.619		10-130		32	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	8.294		10-140		21	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125447	7.622				
1146-65-2	Naphthalene-d8	498753	10.404				
15067-26-2	Acenaphthene-d10	290090	14.274				
1517-22-2	Phenanthrene-d10	594680	17.021				
1719-03-5	Chrysene-d12	600259	21.245				
1520-96-3	Perylene-d12	726457	24.127				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	110	J			15.645	
002531-84-2	Phenanthrene, 2-methyl-	84	J			17.898	
000057-10-3	n-Hexadecanoic acid	94	J			17.927	
000832-69-9	Phenanthrene, 1-methyl-	130	J			17.945	
000203-64-5	4H-Cyclopenta[def]phenanthrene	180	J			18.092	
005737-13-3	Cyclopenta(def)phenanthrenone	94	J			18.968	
000243-17-4	11H-Benzo[b]fluorene	80	J			19.945	
E966796	Total Alkanes	55	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G2	SDG No.:	BM111524
Lab Sample ID:	P4751-21	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.1
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
BM048729.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14	U	14	7.3	73	ug/Kg
100-52-7	Benzaldehyde	83	U	83	90.8	360	ug/Kg
110-86-1	Pyridine	47	U	47	180	360	ug/Kg
108-95-2	Phenol	44	J	39	90.8	360	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	37	U	37	90.8	360	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	46.8	190	ug/Kg
95-48-7	2-Methylphenol	33	U	33	90.8	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	90.8	360	ug/Kg
98-86-2	Acetophenone	200	J	42	90.8	360	ug/Kg
106-44-5	4-Methylphenol	35	U	35	90.8	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	32	U	32	46.8	190	ug/Kg
67-72-1	Hexachloroethane	25	U	25	46.8	190	ug/Kg
98-95-3	Nitrobenzene	40	U	40	46.8	190	ug/Kg
78-59-1	Isophorone	37	U	37	46.8	190	ug/Kg
88-75-5	2-Nitrophenol	35	U	35	46.8	190	ug/Kg
105-67-9	2,4-Dimethylphenol	31	U	31	46.8	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	42	U	42	46.8	190	ug/Kg
120-83-2	2,4-Dichlorophenol	43	U	43	46.8	190	ug/Kg
91-20-3	Naphthalene	37	U	37	46.8	190	ug/Kg
106-47-8	4-Chloroaniline	47	U	47	46.8	360	ug/Kg
87-68-3	Hexachlorobutadiene	37	U	37	46.8	190	ug/Kg
105-60-2	Caprolactam	130	U	130	90.8	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31	U	31	46.8	190	ug/Kg
90-12-0	1-Methylnaphthalene	45	U	45	46.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	46.8	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	87	U	87	90.8	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47	U	47	46.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46	U	46	46.8	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G2	SDG No.:	BM111524
Lab Sample ID:	P4751-21	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.1
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
BM048729.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	53	U	53	46.8	190	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	46.8	190	ug/Kg
88-74-4	2-Nitroaniline	24	U	24	46.8	190	ug/Kg
131-11-3	Dimethylphthalate	46	U	46	46.8	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	46.8	190	ug/Kg
208-96-8	Acenaphthylene	47	U	47	46.8	190	ug/Kg
99-09-2	3-Nitroaniline	22	U	22	90.8	360	ug/Kg
83-32-9	Acenaphthene	52	J	45	46.8	190	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	90.8	360	ug/Kg
100-02-7	4-Nitrophenol	45	U	45	90.8	360	ug/Kg
132-64-9	Dibenzofuran	51	U	51	46.8	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	46.8	190	ug/Kg
84-66-2	Diethylphthalate	66	U	66	46.8	190	ug/Kg
86-73-7	Fluorene	53	J	50	46.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	52	U	52	46.8	190	ug/Kg
100-01-6	4-Nitroaniline	46	U	46	90.8	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	90.8	360	ug/Kg
86-30-6	N-Nitrosodiphenylamine	46	U	46	46.8	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56	U	56	46.8	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	46.8	190	ug/Kg
118-74-1	Hexachlorobenzene	55	U	55	46.8	190	ug/Kg
1912-24-9	Atrazine	43	U	43	90.8	360	ug/Kg
87-86-5	Pentachlorophenol	96	U	96	90.8	360	ug/Kg
85-01-8	Phenanthrene	660		48	46.8	190	ug/Kg
608-93-5	Pentachlorobenzene	56	U	56	46.8	190	ug/Kg
120-12-7	Anthracene	130	J	47	46.8	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	36	U	36	46.8	190	ug/Kg
86-74-8	Carbazole	69	J	50	90.8	360	ug/Kg
84-74-2	Di-n-butylphthalate	46	U	46	46.8	190	ug/Kg
206-44-0	Fluoranthene	1200		48	90.8	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G2	SDG No.:	BM111524
Lab Sample ID:	P4751-21	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.1
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
BM048729.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	740		48	46.8	190	ug/Kg
85-68-7	Butylbenzylphthalate	35	U	35	46.8	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	25	90.8	360	ug/Kg
56-55-3	Benzo(a)anthracene	570		43	46.8	190	ug/Kg
218-01-9	Chrysene	580		50	46.8	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	48	U	48	46.8	190	ug/Kg
117-84-0	Di-n-octyl phthalate	37	U	37	90.8	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	710		46	46.8	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	260		50	46.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	250		46	46.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		41	46.8	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	90	J	41	46.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	46.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	41	46.8	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.289		15-120		16	SPK: -8
7291-22-7	Pyridine-d5	1.763	*	20-120		4	SPK: -40
4165-62-2	Phenol-d5	5.925		10-130		15	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	6.499		10-150		16	SPK: -40
93951-73-6	2-Chlorophenol-d4	6.591		15-120		16	SPK: -40
190780-66-6	4-Methylphenol-d8	3.798	*	10-140		9	SPK: -40
4165-60-0	Nitrobenzene-d5	5.919		10-135		15	SPK: -40
93951-78-1	2-Nitrophenol-d4	6.273		10-120		16	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	6.106		10-140		15	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.938		1-145		5	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.916		10-145		20	SPK: -40
93951-97-4	Acenaphthylene-d8	7.447		15-120		19	SPK: -40
93951-79-2	4-Nitrophenol-d4	3.234	*	10-150		8	SPK: -40
81103-79-9	Fluorene-d10	8.064		20-140		20	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G2	SDG No.:	BM111524
Lab Sample ID:	P4751-21	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.1
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
BM048729.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.234	*	10-130		8	SPK: -40
1719-06-8	Anthracene-d10	7.71		10-150		19	SPK: -40
1718-52-1	Pyrene-d10	6.78		10-130		17	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	4.559		10-140		11	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131645	7.622				
1146-65-2	Naphthalene-d8	520476	10.404				
15067-26-2	Acenaphthene-d10	305329	14.274				
1517-22-2	Phenanthrene-d10	612422	17.021				
1719-03-5	Chrysene-d12	601183	21.245				
1520-96-3	Perylene-d12	743349	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
004505-48-0	1H-Indene, 2-phenyl-	110	J			17.945	
000203-64-5	4H-Cyclopenta[def]phenanthrene	160	J			18.092	
005737-13-3	Cyclopenta(def)phenanthrenone	80	J			18.962	
000243-17-4	11H-Benzo[b]fluorene	80	J			19.945	
E966796	Total Alkanes	53	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F8	SDG No.:	BM111524
Lab Sample ID:	P4751-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048730.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14	U	14	7.3	74	ug/Kg
100-52-7	Benzaldehyde	83	U	83	91.8	370	ug/Kg
110-86-1	Pyridine	48	U	48	180	370	ug/Kg
108-95-2	Phenol	45	J	39	91.8	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	91.8	370	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	47.3	190	ug/Kg
95-48-7	2-Methylphenol	33	U	33	91.8	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	91.8	370	ug/Kg
98-86-2	Acetophenone	200	J	42	91.8	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	91.8	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	32	U	32	47.3	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	47.3	190	ug/Kg
98-95-3	Nitrobenzene	40	U	40	47.3	190	ug/Kg
78-59-1	Isophorone	38	U	38	47.3	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	47.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	31	U	31	47.3	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	42	U	42	47.3	190	ug/Kg
120-83-2	2,4-Dichlorophenol	43	U	43	47.3	190	ug/Kg
91-20-3	Naphthalene	38	U	38	47.3	190	ug/Kg
106-47-8	4-Chloroaniline	48	U	48	47.3	370	ug/Kg
87-68-3	Hexachlorobutadiene	38	U	38	47.3	190	ug/Kg
105-60-2	Caprolactam	130	U	130	91.8	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31	U	31	47.3	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	47.3	190	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	47.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	88	U	88	91.8	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48	U	48	47.3	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47	U	47	47.3	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F8	SDG No.:	BM111524
Lab Sample ID:	P4751-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048730.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	53	U	53	47.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	50	U	50	47.3	190	ug/Kg
88-74-4	2-Nitroaniline	24	U	24	47.3	190	ug/Kg
131-11-3	Dimethylphthalate	47	U	47	47.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	47.3	190	ug/Kg
208-96-8	Acenaphthylene	48	U	48	47.3	190	ug/Kg
99-09-2	3-Nitroaniline	22	U	22	91.8	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	47.3	190	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	91.8	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	91.8	370	ug/Kg
132-64-9	Dibenzofuran	51	U	51	47.3	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	47.3	190	ug/Kg
84-66-2	Diethylphthalate	67	U	67	47.3	190	ug/Kg
86-73-7	Fluorene	50	U	50	47.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	52	U	52	47.3	190	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	91.8	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	91.8	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	47	U	47	47.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	47.3	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	47.3	190	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	47.3	190	ug/Kg
1912-24-9	Atrazine	43	U	43	91.8	370	ug/Kg
87-86-5	Pentachlorophenol	97	U	97	91.8	370	ug/Kg
85-01-8	Phenanthrene	270		49	47.3	190	ug/Kg
608-93-5	Pentachlorobenzene	57	U	57	47.3	190	ug/Kg
120-12-7	Anthracene	48	U	48	47.3	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	47.3	190	ug/Kg
86-74-8	Carbazole	50	U	50	91.8	370	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	47	47.3	190	ug/Kg
206-44-0	Fluoranthene	580		49	91.8	190	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F8	SDG No.:	BM111524
Lab Sample ID:	P4751-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048730.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	320		49	47.3	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	47.3	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	91.8	370	ug/Kg
56-55-3	Benzo(a)anthracene	250		43	47.3	190	ug/Kg
218-01-9	Chrysene	290		50	47.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	49	U	49	47.3	190	ug/Kg
117-84-0	Di-n-octyl phthalate	38	U	38	91.8	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	370		47	47.3	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	J	50	47.3	190	ug/Kg
50-32-8	Benzo(a)pyrene	120	J	47	47.3	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	93	J	41	47.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	46	J	41	47.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	47.3	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	41	47.3	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.207		15-120		15	SPK: -8
7291-22-7	Pyridine-d5	1.854	*	20-120		5	SPK: -40
4165-62-2	Phenol-d5	5.246		10-130		13	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.631		10-150		14	SPK: -40
93951-73-6	2-Chlorophenol-d4	6.027		15-120		15	SPK: -40
190780-66-6	4-Methylphenol-d8	2.876	*	10-140		7	SPK: -40
4165-60-0	Nitrobenzene-d5	5.478		10-135		14	SPK: -40
93951-78-1	2-Nitrophenol-d4	5.472		10-120		14	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	5.346		10-140		13	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.61		1-145		7	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.058		10-145		18	SPK: -40
93951-97-4	Acenaphthylene-d8	6.646		15-120		17	SPK: -40
93951-79-2	4-Nitrophenol-d4	2.641	*	10-150		7	SPK: -40
81103-79-9	Fluorene-d10	7.015	*	20-140		18	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9F8	SDG No.:	BM111524
Lab Sample ID:	P4751-18	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	10.4
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
BM048730.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	2.69	*	10-130		7	SPK: -40
1719-06-8	Anthracene-d10	6.711		10-150		17	SPK: -40
1718-52-1	Pyrene-d10	5.728		10-130		14	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	4.101		10-140		10	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	113295	7.622				
1146-65-2	Naphthalene-d8	450765	10.404				
15067-26-2	Acenaphthene-d10	267269	14.275				
1517-22-2	Phenanthrene-d10	552230	17.021				
1719-03-5	Chrysene-d12	593009	21.245				
1520-96-3	Perylene-d12	724686	24.127				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			17.921	
E966796	Total Alkanes	53	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E8	SDG No.:	BM111524
Lab Sample ID:	P4751-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.8
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
BM048731.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.8	79	ug/Kg
100-52-7	Benzaldehyde	89	U	89	97.7	390	ug/Kg
110-86-1	Pyridine	51	U	51	200	390	ug/Kg
108-95-2	Phenol	41	U	41	97.7	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	97.7	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50.3	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	97.7	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	97.7	390	ug/Kg
98-86-2	Acetophenone	45	U	45	97.7	390	ug/Kg
106-44-5	4-Methylphenol	38	U	38	97.7	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	50.3	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	50.3	200	ug/Kg
98-95-3	Nitrobenzene	43	U	43	50.3	200	ug/Kg
78-59-1	Isophorone	40	U	40	50.3	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	50.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	50.3	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	50.3	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50.3	200	ug/Kg
91-20-3	Naphthalene	40	U	40	50.3	200	ug/Kg
106-47-8	4-Chloroaniline	51	U	51	50.3	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	50.3	200	ug/Kg
105-60-2	Caprolactam	140	U	140	97.7	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	50.3	200	ug/Kg
90-12-0	1-Methylnaphthalene	49	U	49	50.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	50.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	94	U	94	97.7	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51	U	51	50.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	50.3	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E8	SDG No.:	BM111524
Lab Sample ID:	P4751-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.8
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
BM048731.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	57	U	57	50.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	50.3	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	50.3	200	ug/Kg
131-11-3	Dimethylphthalate	50	U	50	50.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	50.3	200	ug/Kg
208-96-8	Acenaphthylene	51	U	51	50.3	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	97.7	390	ug/Kg
83-32-9	Acenaphthene	49	U	49	50.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	97.7	390	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	97.7	390	ug/Kg
132-64-9	Dibenzofuran	54	U	54	50.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	50.3	200	ug/Kg
84-66-2	Diethylphthalate	71	U	71	50.3	200	ug/Kg
86-73-7	Fluorene	53	U	53	50.3	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56	U	56	50.3	200	ug/Kg
100-01-6	4-Nitroaniline	50	U	50	97.7	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	97.7	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	50.3	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	50.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	50.3	200	ug/Kg
118-74-1	Hexachlorobenzene	59	U	59	50.3	200	ug/Kg
1912-24-9	Atrazine	46	U	46	97.7	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	97.7	390	ug/Kg
85-01-8	Phenanthrene	52	U	52	50.3	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	50.3	200	ug/Kg
120-12-7	Anthracene	51	U	51	50.3	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	50.3	200	ug/Kg
86-74-8	Carbazole	53	U	53	97.7	390	ug/Kg
84-74-2	Di-n-butylphthalate	50	U	50	50.3	200	ug/Kg
206-44-0	Fluoranthene	52	U	52	97.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E8	SDG No.:	BM111524
Lab Sample ID:	P4751-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.8
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
BM048731.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	52	U	52	50.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	50.3	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	97.7	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	50.3	200	ug/Kg
218-01-9	Chrysene	53	U	53	50.3	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	52	U	52	50.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	97.7	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	50.3	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	50.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	50.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	50.3	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	50.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	50.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	50.3	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.994		15-120		37	SPK: -8
7291-22-7	Pyridine-d5	13.284		20-120		33	SPK: -40
4165-62-2	Phenol-d5	18.428		10-130		46	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.386		10-150		46	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.425		15-120		49	SPK: -40
190780-66-6	4-Methylphenol-d8	16.83		10-140		42	SPK: -40
4165-60-0	Nitrobenzene-d5	20.148		10-135		50	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.864		10-120		52	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.65		10-140		49	SPK: -40
191656-33-4	4-Chloroaniline-d4	18.079		1-145		45	SPK: -40
85448-30-2	Dimethylphthalate-d6	23.422		10-145		59	SPK: -40
93951-97-4	Acenaphthylene-d8	22.697		15-120		57	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.87		10-150		32	SPK: -40
81103-79-9	Fluorene-d10	23.565		20-140		59	SPK: -40

Report of Analysis

Client:		Date Collected:	11/6/2024 12:00:00 AM
Project:		Date Received:	11/6/2024 12:00:00 AM
Client Sample ID:	BH9E8	SDG No.:	BM111524
Lab Sample ID:	P4751-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15.8
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
BM048731.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	12.235		10-130		31	SPK: -40
1719-06-8	Anthracene-d10	21.309		10-150		53	SPK: -40
1718-52-1	Pyrene-d10	23.709		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.67		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134630	7.622				
1146-65-2	Naphthalene-d8	536085	10.404				
15067-26-2	Acenaphthene-d10	326834	14.275				
1517-22-2	Phenanthrene-d10	679607	17.021				
1719-03-5	Chrysene-d12	699003	21.245				
1520-96-3	Perylene-d12	824572	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	160	J			15.639	
000057-10-3	n-Hexadecanoic acid	260	J			17.927	
959085-66-6	Heptadecyl heptafluorobutyrate	100	J			20.939	
E966796	Total Alkanes	57	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G4	SDG No.:	BM111524
Lab Sample ID:	P4751-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048732.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.6	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	41	U	41	95.6	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.6	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.3	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.6	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.6	380	ug/Kg
98-86-2	Acetophenone	44	U	44	95.6	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.6	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.3	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.3	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.3	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.3	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.3	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.3	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.3	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.3	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.3	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.3	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.3	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.6	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.3	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.3	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.3	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	92	U	92	95.6	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.3	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.3	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G4	SDG No.:	BM111524
Lab Sample ID:	P4751-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048732.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.3	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.3	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.3	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.3	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.3	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.3	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.6	380	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.3	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.6	380	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	95.6	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.3	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.3	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.3	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.3	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.3	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	95.6	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	95.6	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.3	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.3	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.3	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.3	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.6	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.6	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.3	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.3	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.3	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.3	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.6	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.3	200	ug/Kg
206-44-0	Fluoranthene	65	J	51	95.6	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G4	SDG No.:	BM111524
Lab Sample ID:	P4751-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048732.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	57	J	51	49.3	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.3	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.6	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.3	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.3	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.3	200	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	95.6	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.3	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.3	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.3	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.3	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.3	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.3	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.583		15-120		45	SPK: -8
7291-22-7	Pyridine-d5	14.375		20-120		36	SPK: -40
4165-62-2	Phenol-d5	20.286		10-130		51	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.396		10-150		51	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.439		15-120		54	SPK: -40
190780-66-6	4-Methylphenol-d8	18.943		10-140		47	SPK: -40
4165-60-0	Nitrobenzene-d5	22.225		10-135		56	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.356		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.037		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.281		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.785		10-145		62	SPK: -40
93951-97-4	Acenaphthylene-d8	24.635		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.515		10-150		31	SPK: -40
81103-79-9	Fluorene-d10	24.898		20-140		62	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G4	SDG No.:	BM111524
Lab Sample ID:	P4751-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14
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
BM048732.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	11.761		10-130		29	SPK: -40
1719-06-8	Anthracene-d10	22.83		10-150		57	SPK: -40
1718-52-1	Pyrene-d10	25.125		10-130		63	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.847		10-140		62	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130443	7.622				
1146-65-2	Naphthalene-d8	522726	10.404				
15067-26-2	Acenaphthene-d10	317087	14.274				
1517-22-2	Phenanthrene-d10	644163	17.021				
1719-03-5	Chrysene-d12	657205	21.244				
1520-96-3	Perylene-d12	797120	24.133				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	180	J			15.639	
000057-10-3	n-Hexadecanoic acid	180	J			17.927	
	(DEL) Alkane: Cyclic	20.939	J			20.939	
E966796	Total Alkanes	100				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G0	SDG No.:	BM111524
Lab Sample ID:	P4751-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048733.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.3	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	40	U	40	95.3	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.3	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.1	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.3	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.3	380	ug/Kg
98-86-2	Acetophenone	44	U	44	95.3	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.3	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	49.1	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.1	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.1	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.1	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.1	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.1	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.1	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.1	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.1	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.1	200	ug/Kg
90-12-0	1-Methylnaphthalene	47	U	47	49.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91	U	91	95.3	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G0	SDG No.:	BM111524
Lab Sample ID:	P4751-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048733.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	55	U	55	49.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.1	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.1	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.1	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.1	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.3	380	ug/Kg
83-32-9	Acenaphthene	47	U	47	49.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.3	380	ug/Kg
100-02-7	4-Nitrophenol	47	U	47	95.3	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.1	200	ug/Kg
84-66-2	Diethylphthalate	69	U	69	49.1	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.1	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	95.3	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	95.3	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.1	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.1	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.3	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.3	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.1	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.1	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.1	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.1	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.3	380	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.1	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	95.3	200	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G0	SDG No.:	BM111524
Lab Sample ID:	P4751-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048733.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.1	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	39	U	39	95.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	49.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.1	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.454		15-120		43	SPK: -8
7291-22-7	Pyridine-d5	16.276		20-120		41	SPK: -40
4165-62-2	Phenol-d5	20.373		10-130		51	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.475		10-150		51	SPK: -40
93951-73-6	2-Chlorophenol-d4	20.936		15-120		52	SPK: -40
190780-66-6	4-Methylphenol-d8	20.744		10-140		52	SPK: -40
4165-60-0	Nitrobenzene-d5	21.687		10-135		54	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.386		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.224		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.393		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.361		10-145		63	SPK: -40
93951-97-4	Acenaphthylene-d8	24.924		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.36		10-150		38	SPK: -40
81103-79-9	Fluorene-d10	25.28		20-140		63	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	BH9G0	SDG No.:	BM111524
Lab Sample ID:	P4751-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.7
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
BM048733.D	1	11/9/2024 12:00:00 AM	11/16/2024 12:00:00 AM	PB164821

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.522		10-130		36	SPK: -40
1719-06-8	Anthracene-d10	25.222		10-150		63	SPK: -40
1718-52-1	Pyrene-d10	25.652		10-130		64	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	25.514		10-140		64	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131470	7.622				
1146-65-2	Naphthalene-d8	516395	10.404				
15067-26-2	Acenaphthene-d10	309805	14.274				
1517-22-2	Phenanthrene-d10	637423	17.021				
1719-03-5	Chrysene-d12	649638	21.245				
1520-96-3	Perylene-d12	783569	24.127				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	130	J			15.639	
000057-10-3	n-Hexadecanoic acid	170	J			17.927	
	(DEL) Alkane: Straight-Chain	20.939	J			20.939	
E966796	Total Alkanes	95				99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM111524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : BH9C6								
P4751-01	BH9C6	Solid	Benzophenone	*	120.000	J		
P4751-01	BH9C6	Solid	n-Hexadecanoic acid	*	250.000	J		
P4751-01	BH9C6	Solid	Total Alkanes	*	0.000	56	200	ug/Kg
Total Tics :					370.00			
P4751-01	BH9C6	Solid	Acetophenone		220.000	J 45	390	ug/Kg
P4751-01	BH9C6	Solid	Benzo(a)anthracene		130.000	J 46	200	ug/Kg
P4751-01	BH9C6	Solid	Benzo(a)pyrene		67.000	J 49	200	ug/Kg
P4751-01	BH9C6	Solid	Benzo(b)fluoranthene		220.000	49	200	ug/Kg
P4751-01	BH9C6	Solid	Benzo(k)fluoranthene		87.000	J 53	200	ug/Kg
P4751-01	BH9C6	Solid	Chrysene		180.000	J 53	200	ug/Kg
P4751-01	BH9C6	Solid	Fluoranthene		360.000	52	200	ug/Kg
P4751-01	BH9C6	Solid	Indeno(1,2,3-cd)pyrene		59.000	J 43	200	ug/Kg
P4751-01	BH9C6	Solid	Phenanthrene		140.000	J 52	200	ug/Kg
P4751-01	BH9C6	Solid	Phenol		50.000	J 41	390	ug/Kg
P4751-01	BH9C6	Solid	Pyrene		200.000	52	200	ug/Kg
Total Svoc :					1,713.00			
Total Concentration:					2,083.00			
Client ID : BH9C7								
P4751-02	BH9C7	Solid	(DEL) Alkane: Cyclic20.939	*	81.000	J		
P4751-02	BH9C7	Solid	Benzophenone	*	170.000	J		
P4751-02	BH9C7	Solid	n-Hexadecanoic acid	*	140.000	J		
P4751-02	BH9C7	Solid	Total Alkanes	*	81.000	57	200	ug/Kg
Total Tics :					472.00			
Total Concentration:					472.00			
Client ID : BH9C8								
P4751-03	BH9C8	Solid	(DEL) Alkane: Straight-Chain20.9	*	82.000	J		
P4751-03	BH9C8	Solid	Benzophenone	*	140.000	J		
P4751-03	BH9C8	Solid	n-Hexadecanoic acid	*	190.000	J		
P4751-03	BH9C8	Solid	Total Alkanes	*	82.000	56	200	ug/Kg
Total Tics :					494.00			
Total Concentration:					494.00			
Client ID : BH9D0								
P4751-04	BH9D0	Solid	n-Hexadecanoic acid	*	100.000	J		
P4751-04	BH9D0	Solid	Total Alkanes	*	0.000	56	200	ug/Kg
Total Tics :					100.00			
P4751-04	BH9D0	Solid	Acetophenone		130.000	J 44	380	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM111524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Svoc :				130.00				
Total Concentration:				230.00				
Client ID :	BH9D1							
P4751-05	BH9D1	Solid	1-Heneicosanol	*	95.000	J		
P4751-05	BH9D1	Solid	Benzophenone	*	150.000	J		
P4751-05	BH9D1	Solid	n-Hexadecanoic acid	*	220.000	J		
P4751-05	BH9D1	Solid	Total Alkanes	*	0.000	56	200	ug/Kg
Total Tics :				465.00				
Total Concentration:				465.00				
Client ID :	BH9E3							
P4751-06	BH9E3	Solid	Benzophenone	*	150.000	J		
P4751-06	BH9E3	Solid	n-Hexadecanoic acid	*	170.000	J		
P4751-06	BH9E3	Solid	Pentadecafluorooctanoic acid, octa	*	140.000	J		
P4751-06	BH9E3	Solid	Total Alkanes	*	0.000	54	190	ug/Kg
Total Tics :				460.00				
Total Concentration:				460.00				
Client ID :	BH9E6							
P4751-07	BH9E6	Solid	n-Hexadecanoic acid	*	120.000	J		
P4751-07	BH9E6	Solid	Total Alkanes	*	0.000	54	190	ug/Kg
Total Tics :				120.00				
P4751-07	BH9E6	Solid	Acetophenone		140.000	J	43	370 ug/Kg
P4751-07	BH9E6	Solid	Benzo(a)anthracene		75.000	J	44	190 ug/Kg
P4751-07	BH9E6	Solid	Benzo(b)fluoranthene		99.000	J	47	190 ug/Kg
P4751-07	BH9E6	Solid	Chrysene		78.000	J	51	190 ug/Kg
P4751-07	BH9E6	Solid	Fluoranthene		140.000	J	50	190 ug/Kg
P4751-07	BH9E6	Solid	Phenanthrene		81.000	J	50	190 ug/Kg
P4751-07	BH9E6	Solid	Pyrene		89.000	J	50	190 ug/Kg
Total Svoc :				702.00				
Total Concentration:				822.00				
Client ID :	BH9E7							
P4751-10	BH9E7	Solid	Benzophenone	*	150.000	J		
P4751-10	BH9E7	Solid	n-Hexadecanoic acid	*	190.000	J		
P4751-10	BH9E7	Solid	Pentadecafluorooctanoic acid, octa	*	89.000	J		
P4751-10	BH9E7	Solid	Total Alkanes	*	0.000	57	200	ug/Kg
Total Tics :				429.00				
Total Concentration:				429.00				
Client ID :	BH9E8							
P4751-11	BH9E8	Solid	Benzophenone	*	160.000	J		

Hit Summary Sheet

SW-846

SDG No.: BM111524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4751-11	BH9E8	Solid	Heptadecyl heptafluorobutyrate	*	100.000	J		
P4751-11	BH9E8	Solid	n-Hexadecanoic acid	*	260.000	J		
P4751-11	BH9E8	Solid	Total Alkanes	*	0.000	57	200	ug/Kg
Total Tics :					520.00			
Total Concentration:					520.00			
Client ID : BH9F4								
P4751-13	BH9F4	Solid	(DEL) Alkane: Cyclic20.939	*	120.000	J		
P4751-13	BH9F4	Solid	Benzophenone	*	130.000	J		
P4751-13	BH9F4	Solid	n-Hexadecanoic acid	*	320.000	J		
P4751-13	BH9F4	Solid	Octadecanoic acid	*	83.000	J		
P4751-13	BH9F4	Solid	Total Alkanes	*	120.000	56	200	ug/Kg
Total Tics :					773.00			
P4751-13	BH9F4	Solid	Fluoranthene		58.000	J	51	200 ug/Kg
P4751-13	BH9F4	Solid	Pyrene		54.000	J	51	200 ug/Kg
Total Svoc :					112.00			
Total Concentration:					885.00			
Client ID : BH9G7								
P4751-14	BH9G7	Solid	Benzophenone	*	130.000	J		
P4751-14	BH9G7	Solid	n-Hexadecanoic acid	*	130.000	J		
P4751-14	BH9G7	Solid	Pentadecafluorooctanoic acid, octa	*	92.000	J		
P4751-14	BH9G7	Solid	Total Alkanes	*	0.000	53	190	ug/Kg
Total Tics :					352.00			
Total Concentration:					352.00			
Client ID : BH9F5								
P4751-16	BH9F5	Solid	(DEL) Alkane: Straight-Chain20.9	*	100.000	J		
P4751-16	BH9F5	Solid	Benzophenone	*	150.000	J		
P4751-16	BH9F5	Solid	n-Hexadecanoic acid	*	170.000	J		
P4751-16	BH9F5	Solid	Total Alkanes	*	100.000	54	190	ug/Kg
Total Tics :					520.00			
Total Concentration:					520.00			
Client ID : BH9F6								
P4751-17	BH9F6	Solid	Benzophenone	*	200.000	J		
P4751-17	BH9F6	Solid	n-Hexadecanoic acid	*	210.000	J		
P4751-17	BH9F6	Solid	Pentadecafluorooctanoic acid, octa	*	130.000	J		
P4751-17	BH9F6	Solid	Total Alkanes	*	0.000	60	210	ug/Kg
Total Tics :					540.00			
Total Concentration:					540.00			
Client ID : BH9F8								

Hit Summary Sheet SW-846

SDG No.: BM111524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4751-18	BH9F8	Solid	n-Hexadecanoic acid	*	120.000	J		
P4751-18	BH9F8	Solid	Total Alkanes	*	0.000	53	190	ug/Kg
Total Tics :					120.00			
P4751-18	BH9F8	Solid	Acetophenone		200.000	J 42	370	ug/Kg
P4751-18	BH9F8	Solid	Benzo(a)anthracene		250.000	43	190	ug/Kg
P4751-18	BH9F8	Solid	Benzo(a)pyrene		120.000	J 47	190	ug/Kg
P4751-18	BH9F8	Solid	Benzo(b)fluoranthene		370.000	47	190	ug/Kg
P4751-18	BH9F8	Solid	Benzo(k)fluoranthene		140.000	J 50	190	ug/Kg
P4751-18	BH9F8	Solid	Chrysene		290.000	50	190	ug/Kg
P4751-18	BH9F8	Solid	Dibenzo(a,h)anthracene		46.000	J 41	190	ug/Kg
P4751-18	BH9F8	Solid	Fluoranthene		580.000	49	190	ug/Kg
P4751-18	BH9F8	Solid	Indeno(1,2,3-cd)pyrene		93.000	J 41	190	ug/Kg
P4751-18	BH9F8	Solid	Phenanthrene		270.000	49	190	ug/Kg
P4751-18	BH9F8	Solid	Phenol		45.000	J 39	370	ug/Kg
P4751-18	BH9F8	Solid	Pyrene		320.000	49	190	ug/Kg
Total Svoc :					2,724.00			
Total Concentration:					2,844.00			
Client ID : BH9F9								
P4751-19	BH9F9	Solid	(DEL) Alkane: Cyclic20.939	*	120.000	J		
P4751-19	BH9F9	Solid	Benzophenone	*	190.000	J		
P4751-19	BH9F9	Solid	n-Hexadecanoic acid	*	230.000	J		
P4751-19	BH9F9	Solid	Total Alkanes	*	120.000	56	200	ug/Kg
Total Tics :					660.00			
Total Concentration:					660.00			
Client ID : BH9G0								
P4751-20	BH9G0	Solid	(DEL) Alkane: Straight-Chain20.9	*	95.000	J		
P4751-20	BH9G0	Solid	Benzophenone	*	130.000	J		
P4751-20	BH9G0	Solid	n-Hexadecanoic acid	*	170.000	J		
P4751-20	BH9G0	Solid	Total Alkanes	*	95.000	55	200	ug/Kg
Total Tics :					490.00			
Total Concentration:					490.00			
Client ID : BH9G2								
P4751-21	BH9G2	Solid	11H-Benzo[b]fluorene	*	80.000	J		
P4751-21	BH9G2	Solid	1H-Indene, 2-phenyl-	*	110.000	J		
P4751-21	BH9G2	Solid	4H-Cyclopenta[def]phenanthrene	*	160.000	J		
P4751-21	BH9G2	Solid	Cyclopenta(def)phenanthrenone	*	80.000	J		
P4751-21	BH9G2	Solid	Total Alkanes	*	0.000	53	190	ug/Kg
Total Tics :					430.00			
P4751-21	BH9G2	Solid	Acenaphthene		52.000	J 45	190	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM111524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4751-21	BH9G2	Solid	Acetophenone	200.000	J	42	360	ug/Kg
P4751-21	BH9G2	Solid	Anthracene	130.000	J	47	190	ug/Kg
P4751-21	BH9G2	Solid	Benzo(a)anthracene	570.000		43	190	ug/Kg
P4751-21	BH9G2	Solid	Benzo(a)pyrene	250.000		46	190	ug/Kg
P4751-21	BH9G2	Solid	Benzo(b)fluoranthene	710.000		46	190	ug/Kg
P4751-21	BH9G2	Solid	Benzo(k)fluoranthene	260.000		50	190	ug/Kg
P4751-21	BH9G2	Solid	Carbazole	69.000	J	50	360	ug/Kg
P4751-21	BH9G2	Solid	Chrysene	580.000		50	190	ug/Kg
P4751-21	BH9G2	Solid	Dibenzo(a,h)anthracene	90.000	J	41	190	ug/Kg
P4751-21	BH9G2	Solid	Fluoranthene	1,200.000		48	190	ug/Kg
P4751-21	BH9G2	Solid	Fluorene	53.000	J	50	190	ug/Kg
P4751-21	BH9G2	Solid	Indeno(1,2,3-cd)pyrene	190.000		41	190	ug/Kg
P4751-21	BH9G2	Solid	Phenanthrene	660.000		48	190	ug/Kg
P4751-21	BH9G2	Solid	Phenol	44.000	J	39	360	ug/Kg
P4751-21	BH9G2	Solid	Pyrene	740.000		48	190	ug/Kg

Total Svoc :

5,798.00

Total Concentration:

6,228.00

Client ID : **BH9G3**

P4751-22	BH9G3	Solid	11H-Benzo[b]fluorene	*	80.000	J		
P4751-22	BH9G3	Solid	4H-Cyclopenta[def]phenanthrene	*	180.000	J		
P4751-22	BH9G3	Solid	Benzophenone	*	110.000	J		
P4751-22	BH9G3	Solid	Cyclopenta(def)phenanthrenone	*	94.000	J		
P4751-22	BH9G3	Solid	n-Hexadecanoic acid	*	94.000	J		
P4751-22	BH9G3	Solid	Phenanthrene, 1-methyl-	*	130.000	J		
P4751-22	BH9G3	Solid	Phenanthrene, 2-methyl-	*	84.000	J		
P4751-22	BH9G3	Solid	Total Alkanes	*	0.000	55	190	ug/Kg

Total Tics :

772.00

P4751-22	BH9G3	Solid	Acenaphthene		63.000	J	47	190	ug/Kg
P4751-22	BH9G3	Solid	Acetophenone		200.000	J	43	380	ug/Kg
P4751-22	BH9G3	Solid	Anthracene		160.000	J	49	190	ug/Kg
P4751-22	BH9G3	Solid	Benzo(a)anthracene		620.000		44	190	ug/Kg
P4751-22	BH9G3	Solid	Benzo(a)pyrene		250.000		48	190	ug/Kg
P4751-22	BH9G3	Solid	Benzo(b)fluoranthene		760.000		48	190	ug/Kg
P4751-22	BH9G3	Solid	Benzo(k)fluoranthene		290.000		51	190	ug/Kg
P4751-22	BH9G3	Solid	Carbazole		72.000	J	51	380	ug/Kg
P4751-22	BH9G3	Solid	Chrysene		630.000		51	190	ug/Kg
P4751-22	BH9G3	Solid	Dibenzo(a,h)anthracene		94.000	J	42	190	ug/Kg
P4751-22	BH9G3	Solid	Fluoranthene		1,400.000		50	190	ug/Kg
P4751-22	BH9G3	Solid	Fluorene		63.000	J	51	190	ug/Kg
P4751-22	BH9G3	Solid	Indeno(1,2,3-cd)pyrene		190.000		42	190	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM111524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4751-22	BH9G3	Solid	Phenanthrene	740.000		50	190	ug/Kg
P4751-22	BH9G3	Solid	Phenol	46.000	J	40	380	ug/Kg
P4751-22	BH9G3	Solid	Pyrene	770.000		50	190	ug/Kg
Total Svoc :				6,348.00				
Total Concentration:				7,120.00				
Client ID : BH9G4								
P4751-23	BH9G4	Solid	(DEL) Alkane: Cyclic20.939	*	100.000	J		
P4751-23	BH9G4	Solid	Benzophenone	*	180.000	J		
P4751-23	BH9G4	Solid	n-Hexadecanoic acid	*	180.000	J		
P4751-23	BH9G4	Solid	Total Alkanes	*	100.000	56	200	ug/Kg
Total Tics :				560.00				
P4751-23	BH9G4	Solid	Fluoranthene		65.000	J 51	200	ug/Kg
P4751-23	BH9G4	Solid	Pyrene		57.000	J 51	200	ug/Kg
Total Svoc :				122.00				
Total Concentration:				682.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM110724SAS No.: BM110724SDG No.: BM110724

Instrument ID: _____

Calibration Date(s): 11/7/2024 : _____Calibration Time(s): 15:07 : _____

LAB FILE ID:		RRFAL1 = BM048512.D		RRFAL2 = BM048513.D		RRFAL3 = BM048514.D		
		RRFAL4 = BM048515.D		RRFAL5 = BM048516.D		RRFAL6 = BM048517.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.551	0.545	0.580	0.550	0.527		0.551	3.4
Benzaldehyde		0.921	0.962	0.813	0.587	0.480	0.752	28.0
Pyridine		1.384	1.464	1.446	1.421	1.382	1.419	2.6
Hexachloroethane	0.524	0.546	0.574	0.561	0.556		0.552	3.4
Nitrobenzene	0.287	0.312	0.348	0.350	0.346		0.329	8.5
Isophorone	0.549	0.578	0.634	0.642	0.636		0.608	6.9
2-Nitrophenol	0.136	0.154	0.181	0.184	0.185		0.168	13.1
2,4-Dimethylphenol	0.285	0.304	0.333	0.327	0.320		0.314	6.2
Bis(2-Chloroethoxy)methane	0.332	0.368	0.403	0.401	0.393		0.379	7.9
2,4-Dichlorophenol	0.256	0.282	0.309	0.308	0.298		0.291	7.6
Naphthalene	0.990	0.990	1.071	1.027	0.984		1.012	3.6
4-Chloroaniline		0.343	0.397	0.398	0.396	0.383	0.384	6.1
Hexachlorobutadiene	0.189	0.198	0.207	0.198	0.190		0.197	3.8
Phenol		1.519	1.634	1.626	1.619	1.588	1.597	2.9
Caprolactam		0.073	0.089	0.096	0.099	0.101	0.092	12.4
4-Chloro-3-methylphenol	0.240	0.262	0.301	0.301	0.302		0.281	10.2
1-Methylnaphthalene	0.632	0.648	0.704	0.682	0.658		0.665	4.3
2-Methylnaphthalene	0.606	0.635	0.683	0.666	0.648		0.648	4.6
Hexachlorocyclopentadiene		0.235	0.280	0.308	0.321	0.321	0.293	12.5
2,4,6-Trichlorophenol	0.317	0.348	0.385	0.378	0.383		0.362	8.1
2,4,5-Trichlorophenol	0.327	0.366	0.418	0.408	0.409		0.386	10.0
1,1-Biphenyl	1.282	1.374	1.449	1.384	1.349		1.368	4.4
2-Chloronaphthalene	1.018	1.063	1.152	1.097	1.066		1.079	4.6
2-Nitroaniline	0.202	0.237	0.291	0.307	0.318		0.271	18.4
Bis(2-Chloroethyl)ether		1.204	1.288	1.284	1.260	1.240	1.255	2.8
Dimethylphthalate	1.198	1.262	1.352	1.314	1.287		1.282	4.5
2,6-Dinitrotoluene	0.190	0.220	0.259	0.272	0.282		0.244	15.7
Acenaphthylene	1.529	1.651	1.764	1.702	1.649		1.659	5.2
3-Nitroaniline		0.216	0.276	0.285	0.275	0.277	0.265	10.6
Acenaphthene	1.118	1.158	1.239	1.190	1.136		1.168	4.1
2,4-Dinitrophenol		0.067	0.099	0.138	0.164	0.189	0.131	37.1
4-Nitrophenol		0.122	0.167	0.187	0.191	0.190	0.171	17.0
Dibenzofuran	1.522	1.602	1.717	1.657	1.558		1.611	4.8
2,4-Dinitrotoluene	0.265	0.324	0.386	0.403	0.400		0.355	16.8
Diethylphthalate	1.144	1.233	1.333	1.318	1.290		1.264	6.1
2-Chlorophenol	1.178	1.277	1.386	1.354	1.339		1.307	6.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM110724

SAS No.: BM110724

SDG No.: BM110724

Instrument ID: _____

Calibration Date(s): 11/7/2024 : _____

Calibration Time(s): 15:07 _____

LAB FILE ID:		RRFAL1 = BM048512.D		RRFAL2 = BM048513.D		RRFAL3 = BM048514.D		
		RRFAL4 = BM048515.D		RRFAL5 = BM048516.D		RRFAL6 = BM048517.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.225	1.279	1.366	1.312	1.196		1.276	5.3
4-Chlorophenyl-phenylether	0.604	0.636	0.673	0.635	0.595		0.629	4.9
4-Nitroaniline		0.211	0.278	0.295	0.271	0.251	0.261	12.3
4,6-Dinitro-2-methylphenol		0.081	0.106	0.116	0.124	0.119	0.109	15.6
N-Nitrosodiphenylamine	0.476	0.527	0.577	0.541	0.514		0.527	7.1
1,2,4,5-Tetrachlorobenzene	0.534	0.580	0.606	0.577	0.569		0.573	4.5
4-Bromophenyl-phenylether	0.176	0.185	0.205	0.190	0.186		0.189	5.5
Hexachlorobenzene	0.217	0.227	0.246	0.229	0.220		0.228	5.0
Atrazine		0.178	0.203	0.198	0.197	0.183	0.192	5.5
Pentachlorophenol		0.124	0.149	0.149	0.152	0.148	0.145	8.0
2-Methylphenol		1.072	1.208	1.221	1.212	1.199	1.182	5.3
Phenanthrene	0.949	0.991	1.072	0.993	0.954		0.992	5.0
Pentachlorobenzene	0.272	0.280	0.297	0.275	0.266		0.278	4.3
Anthracene	0.926	0.981	1.090	1.016	0.964		0.995	6.2
1,2,3,4-Tetrachlorobenzene	0.280	0.288	0.303	0.278	0.276		0.285	3.9
Carbazole		0.841	0.979	0.942	0.904	0.817	0.897	7.5
Di-n-butylphthalate	0.900	1.005	1.142	1.117	1.108		1.054	9.6
Fluoranthene	1.082	1.113	1.232	1.203	1.193		1.165	5.5
Pyrene	1.203	1.229	1.337	1.294	1.251		1.263	4.2
Butylbenzylphthalate	0.396	0.433	0.511	0.529	0.557		0.485	14.0
3,3-Dichlorobenzidine		0.366	0.415	0.391	0.345	0.300	0.363	12.2
2,2-oxybis (1-Chloropropane)		1.869	1.944	1.870	1.823	1.724	1.846	4.4
Benzo (a) anthracene	1.180	1.212	1.354	1.291	1.267		1.261	5.4
Chrysene	1.169	1.186	1.290	1.222	1.190		1.212	4.0
Bis (2-ethylhexyl) phthalate	0.590	0.649	0.757	0.765	0.776		0.708	11.8
Di-n-octyl phthalate		0.937	1.128	1.159	1.210	1.204	1.127	9.9
Benzo (b) fluoranthene	1.018	1.060	1.167	1.151	1.109		1.101	5.7
Benzo (k) fluoranthene	0.995	1.059	1.200	1.121	1.114		1.098	6.9
Benzo (a) pyrene	0.934	0.995	1.114	1.083	1.049		1.035	6.9
Indeno (1,2,3-cd) pyrene	1.221	1.293	1.426	1.404	1.382		1.345	6.4
Dibenzo (a,h) anthracene	1.001	1.062	1.171	1.145	1.114		1.099	6.2
Benzo (g,h,i) perylene	0.969	1.013	1.107	1.098	1.087		1.055	5.8
Acetophenone		1.795	1.928	1.924	1.897	1.786	1.866	3.7
2,3,4,6-Tetrachlorophenol	0.276	0.303	0.347	0.341	0.336		0.321	9.4
1,4-Dioxane-d8	0.485	0.509	0.524	0.508	0.483		0.502	3.5
Pyridine-d5		1.348	1.415	1.396	1.400	1.354	1.383	2.1

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM110724 SAS No.: BM110724 SDG No.: BM110724
Instrument ID: _____ Calibration Date(s): 11/7/2024 : _____
Calibration Time(s): 15:07 _____

LAB FILE ID:		RRFAL1 = BM048512.D			RRFAL2 = BM048513.D		RRFAL3 = BM048514.D	
		RRFAL4 = BM048515.D			RRFAL5 = BM048516.D		RRFAL6 = BM048517.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.415	1.551	1.563	1.545	1.539	1.522	4.0
Bis-(2-Chloroethyl)ether-d8		0.885	0.937	0.932	0.923	0.895	0.914	2.5
2-Chlorophenol-d4	1.121	1.225	1.327	1.326	1.307		1.261	7.0
4-Methylphenol-d8		1.089	1.209	1.231	1.228	1.229	1.197	5.1
Nitrobenzene-d5	0.127	0.133	0.151	0.157	0.156		0.145	9.6
2-Nitrophenol-d4	0.125	0.139	0.163	0.170	0.174		0.154	13.7
2,4-Dichlorophenol-d3	0.249	0.279	0.304	0.302	0.298		0.286	8.1
4-Chloroaniline-d4		0.364	0.420	0.422	0.419	0.409	0.407	6.0
4-Methylphenol		1.217	1.311	1.336	1.314	1.295	1.295	3.5
Dimethylphthalate-d6	1.185	1.248	1.345	1.307	1.299		1.277	4.8
Acenaphthylene-d8	1.352	1.462	1.601	1.571	1.540		1.505	6.7
4-Nitrophenol-d4		0.157	0.232	0.259	0.271	0.265	0.237	19.8
Fluorene-d10	1.040	1.103	1.184	1.151	1.095		1.114	5.0
4,6-Dinitro-2-methylphenol		0.069	0.098	0.107	0.114	0.114	0.101	18.7
Anthracene-d10	0.784	0.830	0.919	0.863	0.836		0.846	5.8
Pyrene-d10	0.924	0.963	1.063	1.042	1.026		1.004	5.8
Benzo(a)pyrene-d12	0.836	0.905	1.004	0.976	0.953		0.934	7.1
N-Nitroso-di-n-propylamine	0.782	0.842	0.921	0.929	0.912		0.877	7.2

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.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020043 Date Analyzed: Nov 15 2024 12:00AM

Lab File ID: BM048514.D Time Analyzed: 16:31

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	132700	7.663	526355	10.45	315864	14.32
	UPPER LIMIT	265400	8.163	1052710	10.951	631728	14.815
	LOWER LIMIT	66350	7.163	263177.5	9.951	157932	13.815
	EPA SAMPLE NO.						
01	SBLK821	103020	7.62	392025	10.41	227727	14.28
02	BH9D0	111357	7.62	442458	10.41	257341	14.27
03	BH9E6	112577	7.62	437444	10.41	253130	14.27
04	BH9F4	119860	7.62	481405	10.40	287469	14.27
05	BH9F9	114801	7.62	452243	10.40	271275	14.27
06	BH9G7	116932	7.62	460831	10.40	279900	14.27
07	BH9F5	113801	7.62	452918	10.40	268038	14.27
08	BH9F6	113509	7.62	448638	10.40	268058	14.27
09	BH9E7	130289	7.62	508839	10.40	296781	14.27
10	BH9D1	124050	7.62	489965	10.40	287772	14.27
11	BH9E3	117672	7.62	466336	10.41	279717	14.27
12	BH9C7	114027	7.62	434218	10.41	253465	14.27
13	BH9C8	125456	7.62	489359	10.40	291460	14.27
14	SLCS821	128003	7.62	511781	10.40	311717	14.27
15	SBLK821	136353	7.62	525848	10.40	306137	14.27
16	BH9C6	126663	7.62	506806	10.40	296573	14.27
17	BH9G3	125447	7.62	498753	10.40	290090	14.27
18	BH9G2	131645	7.62	520476	10.40	305329	14.27
19	BH9F8	113295	7.62	450765	10.40	267269	14.28
20	BH9E8	134630	7.62	536085	10.40	326834	14.28
21	BH9G4	130443	7.62	522726	10.40	317087	14.27
22	BH9G0	131470	7.62	516395	10.40	309805	14.27

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020043 Date Analyzed: Nov 16 2024 12:00AM

Lab File ID: BM048514.D Time Analyzed: 07:40

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	132700	7.663	526355	10.45	315864	14.32
UPPER LIMIT	265400	8.163	1052710	10.951	631728	14.815
LOWER LIMIT	66350	7.163	263177.5	9.951	157932	13.815
EPA SAMPLE NO.						

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020057 Date Analyzed: Nov 15 2024 12:00AM

Lab File ID: BM048710.D Time Analyzed: 16:31

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	114460	7.622	444811	10.40	268956	14.27
UPPER LIMIT	228920	8.122	889622	10.904	537912	14.774
LOWER LIMIT	57230	7.122	222405.5	9.904	134478	13.774
EPA SAMPLE NO.						
01 SBLK821	103020	7.62	392025	10.41	227727	14.28
02 BH9D0	111357	7.62	442458	10.41	257341	14.27
03 BH9E6	112577	7.62	437444	10.41	253130	14.27
04 BH9F4	119860	7.62	481405	10.40	287469	14.27
05 BH9F9	114801	7.62	452243	10.40	271275	14.27
06 BH9G7	116932	7.62	460831	10.40	279900	14.27
07 BH9F5	113801	7.62	452918	10.40	268038	14.27
08 BH9F6	113509	7.62	448638	10.40	268058	14.27
09 BH9E7	130289	7.62	508839	10.40	296781	14.27
10 BH9D1	124050	7.62	489965	10.40	287772	14.27
11 BH9E3	117672	7.62	466336	10.41	279717	14.27
12 BH9C7	114027	7.62	434218	10.41	253465	14.27
13 BH9C8	125456	7.62	489359	10.40	291460	14.27
14 SLCS821	128003	7.62	511781	10.40	311717	14.27

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020058 Date Analyzed: Nov 16 2024 12:00AM

Lab File ID: BM048725.D Time Analyzed: 03:03

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	131227	7.622	532739	10.40	323085	14.27
UPPER LIMIT	262454	8.122	1065478	10.904	646170	14.774
LOWER LIMIT	65613.5	7.122	266369.5	9.904	161542.5	13.774
EPA SAMPLE NO.						
01 SBLK821	136353	7.62	525848	10.40	306137	14.27
02 BH9C6	126663	7.62	506806	10.40	296573	14.27
03 BH9G3	125447	7.62	498753	10.40	290090	14.27
04 BH9G2	131645	7.62	520476	10.40	305329	14.27
05 BH9F8	113295	7.62	450765	10.40	267269	14.28
06 BH9E8	134630	7.62	536085	10.40	326834	14.28
07 BH9G4	130443	7.62	522726	10.40	317087	14.27
08 BH9G0	131470	7.62	516395	10.40	309805	14.27

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020043 Date Analyzed: Nov 15 2024 12:00AM

Lab File ID: BM048514.D Time Analyzed: 16:31

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	625795	17.056	635401	21.286	748072	24.197
	UPPER LIMIT	1251590	17.556	1270802	21.786	1496144	24.697
	LOWER LIMIT	312897.5	16.556	317700.5	20.786	374036	23.697
	EPA SAMPLE NO.						
01	SBLK821	453255	17.02	449346	21.25	561529	24.13
02	BH9D0	515794	17.02	528937	21.25	634421	24.13
03	BH9E6	505632	17.02	510297	21.24	617739	24.13
04	BH9F4	588467	17.02	591203	21.25	694381	24.13
05	BH9F9	551203	17.02	540233	21.25	645946	24.13
06	BH9G7	565134	17.02	553497	21.25	653973	24.13
07	BH9F5	549692	17.02	537018	21.25	628549	24.13
08	BH9F6	546404	17.02	538946	21.25	646805	24.13
09	BH9E7	602314	17.02	604613	21.25	729134	24.13
10	BH9D1	591325	17.02	586804	21.25	693109	24.13
11	BH9E3	568187	17.02	554303	21.25	659862	24.13
12	BH9C7	510774	17.02	515428	21.25	634584	24.13
13	BH9C8	590942	17.02	575984	21.25	681917	24.13
14	SLCS821	630282	17.02	619911	21.25	720076	24.13
15	SBLK821	612646	17.02	600164	21.25	744186	24.13
16	BH9C6	604513	17.02	610147	21.24	741311	24.13
17	BH9G3	594680	17.02	600259	21.25	726457	24.13
18	BH9G2	612422	17.02	601183	21.25	743349	24.13
19	BH9F8	552230	17.02	593009	21.25	724686	24.13
20	BH9E8	679607	17.02	699003	21.25	824572	24.13
21	BH9G4	644163	17.02	657205	21.24	797120	24.13

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020043 Date Analyzed: Nov 16 2024 12:00AM

Lab File ID: BM048514.D Time Analyzed: 07:40

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	625795	17.056	635401	21.286	748072	24.197
UPPER LIMIT	1251590	17.556	1270802	21.786	1496144	24.697
LOWER LIMIT	312897.5	16.556	317700.5	20.786	374036	23.697
EPA SAMPLE NO.						
22 BH9G0	637423	17.02	649638	21.25	783569	24.13

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT 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.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020057 Date Analyzed: Nov 15 2024 12:00AM

Lab File ID: BM048710.D Time Analyzed: 16:31

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	538205	17.021	535955	21.25	631721	24.133
UPPER LIMIT	1076410	17.521	1071910	21.75	1263442	24.633
LOWER LIMIT	269102.5	16.521	267977.5	20.75	315860.5	23.633
EPA SAMPLE NO.						
01 SBLK821	453255	17.02	449346	21.25	561529	24.13
02 BH9D0	515794	17.02	528937	21.25	634421	24.13
03 BH9E6	505632	17.02	510297	21.24	617739	24.13
04 BH9F4	588467	17.02	591203	21.25	694381	24.13
05 BH9F9	551203	17.02	540233	21.25	645946	24.13
06 BH9G7	565134	17.02	553497	21.25	653973	24.13
07 BH9F5	549692	17.02	537018	21.25	628549	24.13
08 BH9F6	546404	17.02	538946	21.25	646805	24.13
09 BH9E7	602314	17.02	604613	21.25	729134	24.13
10 BH9D1	591325	17.02	586804	21.25	693109	24.13
11 BH9E3	568187	17.02	554303	21.25	659862	24.13
12 BH9C7	510774	17.02	515428	21.25	634584	24.13
13 BH9C8	590942	17.02	575984	21.25	681917	24.13
14 SLCS821	630282	17.02	619911	21.25	720076	24.13

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT 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.: BM111524 SAS No.: BM111524 SDG NO.: BM111524

EPA Sample No.: SSTD020058 Date Analyzed: Nov 16 2024 12:00AM

Lab File ID: BM048725.D Time Analyzed: 03:03

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	651536	17.021	639919	21.25	740235	24.133
UPPER LIMIT	1303072	17.521	1279838	21.75	1480470	24.633
LOWER LIMIT	325768	16.521	319959.5	20.75	370117.5	23.633
EPA SAMPLE NO.						
01 SBLK821	612646	17.02	600164	21.25	744186	24.13
02 BH9C6	604513	17.02	610147	21.24	741311	24.13
03 BH9G3	594680	17.02	600259	21.25	726457	24.13
04 BH9G2	612422	17.02	601183	21.25	743349	24.13
05 BH9F8	552230	17.02	593009	21.25	724686	24.13
06 BH9E8	679607	17.02	699003	21.25	824572	24.13
07 BH9G4	644163	17.02	657205	21.24	797120	24.13
08 BH9G0	637423	17.02	649638	21.25	783569	24.13

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164821BS	1,4-Dioxane	530	360	ug/Kg	68				0	0		
	Benzaldehyde	1300	110	ug/Kg	8				0	0		
	Pyridine	1300	960	ug/Kg	74				0	0		
	Phenol	1300	1000	ug/Kg	77				0	0		
	Bis(2-chloroethyl)ether	1300	990	ug/Kg	76				0	0		
	2-Chlorophenol	1300	1000	ug/Kg	77				0	0		
	2-Methylphenol	1300	1000	ug/Kg	77				0	0		
	2,2-oxybis(1-Chloropropane)	1300	1000	ug/Kg	77				0	0		
	Acetophenone	1300	990	ug/Kg	76				0	0		
	4-Methylphenol	1300	1000	ug/Kg	77				0	0		
	N-Nitroso-di-n-propylamine	1300	1000	ug/Kg	77				0	0		
	Hexachloroethane	1300	1000	ug/Kg	77				0	0		
	Nitrobenzene	1300	1000	ug/Kg	77				0	0		
	Isophorone	1300	1000	ug/Kg	77				0	0		
	2-Nitrophenol	1300	1000	ug/Kg	77				0	0		
	2,4-Dimethylphenol	1300	870	ug/Kg	67				0	0		
	Bis(2-chloroethoxy)methane	1300	1000	ug/Kg	77				0	0		
	2,4-Dichlorophenol	1300	1000	ug/Kg	77				0	0		
	Naphthalene	1300	1000	ug/Kg	77				0	0		
	4-Chloroaniline	1300	490	ug/Kg	38				0	0		
	Hexachlorobutadiene	1300	990	ug/Kg	76				0	0		
	Caprolactam	1300	1000	ug/Kg	77				0	0		
	4-Chloro-3-methylphenol	1300	1100	ug/Kg	85				0	0		
	1-Methylnaphthalene	1300	990	ug/Kg	76				0	0		
	2-Methylnaphthalene	1300	1000	ug/Kg	77				0	0		
	Hexachlorocyclopentadiene	1300	820	ug/Kg	63				0	0		
	2,4,6-Trichlorophenol	1300	1000	ug/Kg	77				0	0		
	2,4,5-Trichlorophenol	1300	1100	ug/Kg	85				0	0		
	1,1'-Biphenyl	1300	1000	ug/Kg	77				0	0		
	2-Chloronaphthalene	1300	1000	ug/Kg	77				0	0		
	2-Nitroaniline	1300	1100	ug/Kg	85				0	0		
	Dimethylphthalate	1300	1000	ug/Kg	77				0	0		
	2,6-Dinitrotoluene	1300	1100	ug/Kg	85				0	0		
	Acenaphthylene	1300	1000	ug/Kg	77				0	0		
	3-Nitroaniline	1300	980	ug/Kg	75				0	0		
	Acenaphthene	1300	1000	ug/Kg	77				0	0		
	2,4-Dinitrophenol	1300	1100	ug/Kg	85				0	0		
	4-Nitrophenol	1300	1000	ug/Kg	77				0	0		
	Dibenzofuran	1300	1000	ug/Kg	77				0	0		
	2,4-Dinitrotoluene	1300	1100	ug/Kg	85				0	0		
	Diethylphthalate	1300	1100	ug/Kg	85				0	0		
	Fluorene	1300	1000	ug/Kg	77				0	0		
	4-Chlorophenyl-phenylether	1300	1000	ug/Kg	77				0	0		
	4-Nitroaniline	1300	1100	ug/Kg	85				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB164821BS	4,6-Dinitro-2-methylphenol	1300	1100	ug/Kg	85				0	0	
	N-Nitrosodiphenylamine	1300	1000	ug/Kg	77				0	0	
	1,2,4,5-Tetrachlorobenzene	1300	1000	ug/Kg	77				0	0	
	4-Bromophenyl-phenylether	1300	1000	ug/Kg	77				0	0	
	Hexachlorobenzene	1300	1000	ug/Kg	77				0	0	
	Atrazine	1300	970	ug/Kg	75				0	0	
	Pentachlorophenol	1300	1000	ug/Kg	77				0	0	
	Phenanthrene	1300	1000	ug/Kg	77				0	0	
	Pentachlorobenzene	1300	980	ug/Kg	75				0	0	
	Anthracene	1300	1000	ug/Kg	77				0	0	
	1,2,3,4-Tetrachlorobenzene	1300	970	ug/Kg	75				0	0	
	Carbazole	1300	1100	ug/Kg	85				0	0	
	Di-n-butylphthalate	1300	1100	ug/Kg	85				0	0	
	Fluoranthene	1300	1100	ug/Kg	85				0	0	
	Pyrene	1300	1000	ug/Kg	77				0	0	
	Butylbenzylphthalate	1300	1100	ug/Kg	85				0	0	
	3,3'-Dichlorobenzidine	1300	1000	ug/Kg	77				0	0	
	Benzo(a)anthracene	1300	1000	ug/Kg	77				0	0	
	Chrysene	1300	1000	ug/Kg	77				0	0	
	Bis(2-ethylhexyl)phthalate	1300	1100	ug/Kg	85				0	0	
	Di-n-octylphthalate	1300	1100	ug/Kg	85				0	0	
	Benzo(b)fluoranthene	1300	1100	ug/Kg	85				0	0	
	Benzo(k)fluoranthene	1300	1100	ug/Kg	85				0	0	
	Benzo(a)pyrene	1300	1100	ug/Kg	85				0	0	
	Indeno(1,2,3-cd)pyrene	1300	1100	ug/Kg	85				0	0	
	Dibenzo(a,h)anthracene	1300	1100	ug/Kg	85				0	0	
	Benzo(g,h,i)perylene	1300	1100	ug/Kg	85				0	0	
	2,3,4,6-Tetrachlorophenol	1300	1000	ug/Kg	77				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK821

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM111524

SAS No.: BM111524 SDG NO.: BM111524

Lab File ID: BM048711.D

Lab Sample ID: PB164821BL

Instrument ID: BNA_M

Date Extracted: 11/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 11/15/2024

Level: (low/med) LOW

Time Analyzed: 16:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BH9C6	P4751-01	BM048727.D	11/16/2024
BH9G3	P4751-22	BM048728.D	11/16/2024
BH9G2	P4751-21	BM048729.D	11/16/2024
BH9F8	P4751-18	BM048730.D	11/16/2024
BH9E8	P4751-11	BM048731.D	11/16/2024
BH9G4	P4751-23	BM048732.D	11/16/2024
BH9G0	P4751-20	BM048733.D	11/16/2024
BH9D0	P4751-04	BM048712.D	11/15/2024
BH9E6	P4751-07	BM048713.D	11/15/2024
BH9F4	P4751-13	BM048714.D	11/15/2024
BH9F9	P4751-19	BM048715.D	11/15/2024
BH9G7	P4751-14	BM048716.D	11/15/2024
BH9F5	P4751-16	BM048717.D	11/15/2024
BH9F6	P4751-17	BM048718.D	11/15/2024
BH9E7	P4751-10	BM048719.D	11/15/2024
BH9D1	P4751-05	BM048720.D	11/15/2024
BH9E3	P4751-06	BM048721.D	11/15/2024
BH9C7	P4751-02	BM048722.D	11/15/2024
BH9C8	P4751-03	BM048723.D	11/16/2024
PB164821BS	PB164821BS	BM048724.D	11/16/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-01	BH9C6	BM048727.D	1,4-Dioxane-d8	8	2.39	30		15	120
			Pyridine-d5	40	2.05	5	*	20	120
			Phenol-d5	40	13.13	33		10	130
			Bis(2-Chloroethyl)ether-d8	40	13.18	33		10	150
			2-Chlorophenol-d4	40	13.65	34		15	120
			4-Methylphenol-d8	40	11.12	28		10	140
			Nitrobenzene-d5	40	12.66	32		10	135
			2-Nitrophenol-d4	40	12.47	31		10	120
			2,4-Dichlorophenol-d3	40	13.69	34		10	140
			4-Chloroaniline-d4	40	4.39	11		1	145
			Dimethylphthalate-d6	40	16.91	42		10	145
			Acenaphthylene-d8	40	15.73	39		15	120
			4-Nitrophenol-d4	40	9.34	23		10	150
			Fluorene-d10	40	17.05	43		20	140
			4,6-Dinitro-2-methylphenol-d2	40	7.54	19		10	130
			Anthracene-d10	40	16.64	42		10	150
			Pyrene-d10	40	13.87	35		10	130
			Benzo(a)pyrene-d12	40	9.06	23		10	140
P4751-02	BH9C7	BM048722.D	1,4-Dioxane-d8	8	3.04	38		15	120
			Pyridine-d5	40	11.02	28		20	120
			Phenol-d5	40	16.88	42		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.02	45		10	150
			2-Chlorophenol-d4	40	17.71	44		15	120
			4-Methylphenol-d8	40	16.31	41		10	140
			Nitrobenzene-d5	40	19.09	48		10	135
			2-Nitrophenol-d4	40	18.61	47		10	120
			2,4-Dichlorophenol-d3	40	16.22	41		10	140
			4-Chloroaniline-d4	40	17.04	43		1	145
			Dimethylphthalate-d6	40	23.00	58		10	145
			Acenaphthylene-d8	40	21.81	55		15	120
			4-Nitrophenol-d4	40	10.19	25		10	150
			Fluorene-d10	40	22.55	56		20	140
			4,6-Dinitro-2-methylphenol-d2	40	11.39	28		10	130
			Anthracene-d10	40	22.72	57		10	150
			Pyrene-d10	40	23.77	59		10	130
			Benzo(a)pyrene-d12	40	23.36	58		10	140
P4751-03	BH9C8	BM048723.D	1,4-Dioxane-d8	8	3.17	40		15	120
			Pyridine-d5	40	13.41	34		20	120
			Phenol-d5	40	17.25	43		10	130
			Bis(2-Chloroethyl)ether-d8	40	17.34	43		10	150
			2-Chlorophenol-d4	40	17.80	45		15	120
			4-Methylphenol-d8	40	17.69	44		10	140
			Nitrobenzene-d5	40	18.29	46		10	135
			2-Nitrophenol-d4	40	17.68	44		10	120
			2,4-Dichlorophenol-d3	40	17.57	44		10	140
			4-Chloroaniline-d4	40	16.56	41		1	145
			Dimethylphthalate-d6	40	22.24	56		10	145
			Acenaphthylene-d8	40	20.86	52		15	120
			4-Nitrophenol-d4	40	10.06	25		10	150

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-03	BH9C8	BM048723.D	Fluorene-d10	40	21.79	54		20	140
			4,6-Dinitro-2-methylphenol-d2	40	11.01	28		10	130
			Anthracene-d10	40	22.08	55		10	150
			Pyrene-d10	40	23.58	59		10	130
			Benzo(a)pyrene-d12	40	22.58	56		10	140
P4751-04	BH9D0	BM048712.D	1,4-Dioxane-d8	8	1.21	15		15	120
			Pyridine-d5	40	2.50	6	*	20	120
			Phenol-d5	40	4.66	12		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.36	13		10	150
			2-Chlorophenol-d4	40	5.48	14	*	15	120
			4-Methylphenol-d8	40	3.18	8	*	10	140
			Nitrobenzene-d5	40	4.59	11		10	135
			2-Nitrophenol-d4	40	4.56	11		10	120
			2,4-Dichlorophenol-d3	40	4.77	12		10	140
			4-Chloroaniline-d4	40	2.09	5		1	145
			Dimethylphthalate-d6	40	6.46	16		10	145
			Acenaphthylene-d8	40	5.89	15		15	120
			4-Nitrophenol-d4	40	2.09	5	*	10	150
			Fluorene-d10	40	6.40	16	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	2.42	6	*	10	130
			Anthracene-d10	40	5.73	14		10	150
			Pyrene-d10	40	5.16	13		10	130
			Benzo(a)pyrene-d12	40	3.45	9	*	10	140
P4751-05	BH9D1	BM048720.D	Pyridine-d5	40	15.42	39		20	120
			1,4-Dioxane-d8	8	3.73	47		15	120
			Phenol-d5	40	20.78	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.29	53		10	150
			2-Chlorophenol-d4	40	21.23	53		15	120
			4-Methylphenol-d8	40	21.17	53		10	140
			Nitrobenzene-d5	40	22.08	55		10	135
			2-Nitrophenol-d4	40	22.31	56		10	120
			2,4-Dichlorophenol-d3	40	20.82	52		10	140
			4-Chloroaniline-d4	40	20.06	50		1	145
			Dimethylphthalate-d6	40	26.32	66		10	145
			Acenaphthylene-d8	40	25.17	63		15	120
			4-Nitrophenol-d4	40	14.49	36		10	150
			Fluorene-d10	40	26.08	65		20	140
			4,6-Dinitro-2-methylphenol-d2	40	15.83	40		10	130
			Anthracene-d10	40	25.10	63		10	150
			Pyrene-d10	40	27.02	68		10	130
			Benzo(a)pyrene-d12	40	26.69	67		10	140
P4751-06	BH9E3	BM048721.D	1,4-Dioxane-d8	8	3.66	46		15	120
			Pyridine-d5	40	11.71	29		20	120
			Phenol-d5	40	20.26	51		10	130
			Bis(2-Chloroethyl)ether-d8	40	22.70	57		10	150
			2-Chlorophenol-d4	40	21.95	55		15	120
			4-Methylphenol-d8	40	20.43	51		10	140
			Nitrobenzene-d5	40	23.20	58		10	135
			2-Nitrophenol-d4	40	23.07	58		10	120

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-06	BH9E3	BM048721.D	2,4-Dichlorophenol-d3	40	19.84	50		10	140
			4-Chloroaniline-d4	40	21.55	54		1	145
			Dimethylphthalate-d6	40	28.61	72		10	145
			Acenaphthylene-d8	40	27.02	68		15	120
			4-Nitrophenol-d4	40	13.07	33		10	150
			Fluorene-d10	40	28.24	71		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.64	37		10	130
			Anthracene-d10	40	28.60	72		10	150
			Pyrene-d10	40	30.32	76		10	130
			Benzo(a)pyrene-d12	40	29.52	74		10	140
P4751-07	BH9E6	BM048713.D	1,4-Dioxane-d8	8	1.41	18		15	120
			Pyridine-d5	40	2.03	5	*	20	120
			Phenol-d5	40	5.54	14		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.50	16		10	150
			2-Chlorophenol-d4	40	6.46	16		15	120
			4-Methylphenol-d8	40	3.91	10		10	140
			Nitrobenzene-d5	40	6.09	15		10	135
			2-Nitrophenol-d4	40	5.70	14		10	120
			2,4-Dichlorophenol-d3	40	5.74	14		10	140
			4-Chloroaniline-d4	40	2.73	7		1	145
			Dimethylphthalate-d6	40	7.42	19		10	145
			Acenaphthylene-d8	40	6.95	17		15	120
			4-Nitrophenol-d4	40	2.25	6	*	10	150
			Fluorene-d10	40	7.40	19	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	2.97	7	*	10	130
			Anthracene-d10	40	6.10	15		10	150
			Pyrene-d10	40	6.09	15		10	130
			Benzo(a)pyrene-d12	40	4.09	10		10	140
P4751-10	BH9E7	BM048719.D	1,4-Dioxane-d8	8	3.32	41		15	120
			Pyridine-d5	40	12.89	32		20	120
			Phenol-d5	40	16.34	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.71	42		10	150
			2-Chlorophenol-d4	40	16.98	42		15	120
			4-Methylphenol-d8	40	15.72	39		10	140
			Nitrobenzene-d5	40	16.98	42		10	135
			2-Nitrophenol-d4	40	16.74	42		10	120
			2,4-Dichlorophenol-d3	40	16.53	41		10	140
			4-Chloroaniline-d4	40	15.77	39		1	145
			Dimethylphthalate-d6	40	20.60	51		10	145
			Acenaphthylene-d8	40	19.65	49		15	120
			4-Nitrophenol-d4	40	11.72	29		10	150
			Fluorene-d10	40	20.48	51		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.44	31		10	130
			Anthracene-d10	40	19.70	49		10	150
			Pyrene-d10	40	21.38	53		10	130
			Benzo(a)pyrene-d12	40	20.76	52		10	140
P4751-11	BH9E8	BM048731.D	1,4-Dioxane-d8	8	2.99	37		15	120
			Pyridine-d5	40	13.28	33		20	120
			Phenol-d5	40	18.43	46		10	130

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-11	BH9E8	BM048731.D	Bis(2-Chloroethyl)ether-d8	40	18.39	46		10	150
			2-Chlorophenol-d4	40	19.43	49		15	120
			4-Methylphenol-d8	40	16.83	42		10	140
			Nitrobenzene-d5	40	20.15	50		10	135
			2-Nitrophenol-d4	40	20.86	52		10	120
			2,4-Dichlorophenol-d3	40	19.65	49		10	140
			4-Chloroaniline-d4	40	18.08	45		1	145
			Dimethylphthalate-d6	40	23.42	59		10	145
			Acenaphthylene-d8	40	22.70	57		15	120
			4-Nitrophenol-d4	40	12.87	32		10	150
			Fluorene-d10	40	23.57	59		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.24	31		10	130
			Anthracene-d10	40	21.31	53		10	150
			Pyrene-d10	40	23.71	59		10	130
			Benzo(a)pyrene-d12	40	23.67	59		10	140
P4751-13	BH9F4	BM048714.D	1,4-Dioxane-d8	8	3.34	42		15	120
			Pyridine-d5	40	14.91	37		20	120
			Phenol-d5	40	17.36	43		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.11	45		10	150
			2-Chlorophenol-d4	40	18.36	46		15	120
			4-Methylphenol-d8	40	16.35	41		10	140
			Nitrobenzene-d5	40	18.11	45		10	135
			2-Nitrophenol-d4	40	17.80	44		10	120
			2,4-Dichlorophenol-d3	40	17.90	45		10	140
			4-Chloroaniline-d4	40	14.80	37		1	145
			Dimethylphthalate-d6	40	21.31	53		10	145
			Acenaphthylene-d8	40	20.51	51		15	120
			4-Nitrophenol-d4	40	11.21	28		10	150
			Fluorene-d10	40	21.26	53		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.72	32		10	130
			Anthracene-d10	40	20.18	50		10	150
			Pyrene-d10	40	22.62	57		10	130
P4751-14	BH9G7	BM048716.D	Benzo(a)pyrene-d12	40	21.83	55		10	140
			1,4-Dioxane-d8	8	3.53	44		15	120
			Pyridine-d5	40	10.12	25		20	120
			Phenol-d5	40	18.35	46		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.45	49		10	150
			2-Chlorophenol-d4	40	19.22	48		15	120
			4-Methylphenol-d8	40	17.05	43		10	140
			Nitrobenzene-d5	40	19.81	50		10	135
			2-Nitrophenol-d4	40	20.12	50		10	120
			2,4-Dichlorophenol-d3	40	18.87	47		10	140
			4-Chloroaniline-d4	40	17.65	44		1	145
			Dimethylphthalate-d6	40	22.76	57		10	145
			Acenaphthylene-d8	40	21.88	55		15	120
			4-Nitrophenol-d4	40	11.86	30		10	150
			Fluorene-d10	40	22.65	57		20	140
			4,6-Dinitro-2-methylphenol-d2	40	13.56	34		10	130
			Anthracene-d10	40	22.26	56		10	150

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-14	BH9G7	BM048716.D	Pyrene-d10	40	23.76	59		10	130
			Benzo(a)pyrene-d12	40	22.79	57		10	140
P4751-16	BH9F5	BM048717.D	1,4-Dioxane-d8	8	3.80	48		15	120
			Pyridine-d5	40	15.05	38		20	120
			Phenol-d5	40	19.88	50		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.83	52		10	150
			2-Chlorophenol-d4	40	20.64	52		15	120
			4-Methylphenol-d8	40	18.74	47		10	140
			Nitrobenzene-d5	40	21.26	53		10	135
			2-Nitrophenol-d4	40	20.90	52		10	120
			2,4-Dichlorophenol-d3	40	19.77	49		10	140
			4-Chloroaniline-d4	40	18.78	47		1	145
			Dimethylphthalate-d6	40	24.40	61		10	145
			Acenaphthylene-d8	40	23.95	60		15	120
			4-Nitrophenol-d4	40	14.34	36		10	150
			Fluorene-d10	40	24.53	61		20	140
			4,6-Dinitro-2-methylphenol-d2	40	15.48	39		10	130
			Anthracene-d10	40	23.81	60		10	150
			Pyrene-d10	40	25.74	64		10	130
			Benzo(a)pyrene-d12	40	25.15	63		10	140
P4751-17	BH9F6	BM048718.D	1,4-Dioxane-d8	8	4.00	50		15	120
			Pyridine-d5	40	18.02	45		20	120
			Phenol-d5	40	22.49	56		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.12	58		10	150
			2-Chlorophenol-d4	40	22.94	57		15	120
			4-Methylphenol-d8	40	21.83	55		10	140
			Nitrobenzene-d5	40	24.32	61		10	135
			2-Nitrophenol-d4	40	24.10	60		10	120
			2,4-Dichlorophenol-d3	40	22.85	57		10	140
			4-Chloroaniline-d4	40	22.10	55		1	145
			Dimethylphthalate-d6	40	28.94	72		10	145
			Acenaphthylene-d8	40	27.72	69		15	120
			4-Nitrophenol-d4	40	12.31	31		10	150
			Fluorene-d10	40	28.60	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.03	35		10	130
			Anthracene-d10	40	28.33	71		10	150
			Pyrene-d10	40	30.05	75		10	130
			Benzo(a)pyrene-d12	40	29.51	74		10	140
P4751-18	BH9F8	BM048730.D	1,4-Dioxane-d8	8	1.21	15		15	120
			Pyridine-d5	40	1.85	5	*	20	120
			Phenol-d5	40	5.25	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.63	14		10	150
			2-Chlorophenol-d4	40	6.03	15		15	120
			4-Methylphenol-d8	40	2.88	7	*	10	140
			Nitrobenzene-d5	40	5.48	14		10	135
			2-Nitrophenol-d4	40	5.47	14		10	120
			2,4-Dichlorophenol-d3	40	5.35	13		10	140
			4-Chloroaniline-d4	40	2.61	7		1	145
			Dimethylphthalate-d6	40	7.06	18		10	145

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-18	BH9F8	BM048730.D	Acenaphthylene-d8	40	6.65	17		15	120
			4-Nitrophenol-d4	40	2.64	7	*	10	150
			Fluorene-d10	40	7.02	18	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	2.69	7	*	10	130
			Anthracene-d10	40	6.71	17		10	150
			Pyrene-d10	40	5.73	14		10	130
			Benzo(a)pyrene-d12	40	4.10	10		10	140
P4751-19	BH9F9	BM048715.D	Pyridine-d5	40	18.19	45		20	120
			1,4-Dioxane-d8	8	3.99	50		15	120
			Phenol-d5	40	22.15	55		10	130
			Bis(2-Chloroethyl)ether-d8	40	22.72	57		10	150
			2-Chlorophenol-d4	40	22.83	57		15	120
			4-Methylphenol-d8	40	22.49	56		10	140
			Nitrobenzene-d5	40	24.29	61		10	135
			2-Nitrophenol-d4	40	24.54	61		10	120
			2,4-Dichlorophenol-d3	40	22.01	55		10	140
			4-Chloroaniline-d4	40	22.65	57		1	145
			Dimethylphthalate-d6	40	29.80	75		10	145
			Acenaphthylene-d8	40	27.85	70		15	120
			4-Nitrophenol-d4	40	15.11	38		10	150
			Fluorene-d10	40	28.89	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.26	43		10	130
			Anthracene-d10	40	29.27	73		10	150
			Pyrene-d10	40	31.25	78		10	130
			Benzo(a)pyrene-d12	40	30.30	76		10	140
			1,4-Dioxane-d8	8	3.45	43		15	120
			Pyridine-d5	40	16.28	41		20	120
			Phenol-d5	40	20.37	51		10	130
P4751-20	BH9G0	BM048733.D	Bis(2-Chloroethyl)ether-d8	40	20.48	51		10	150
			2-Chlorophenol-d4	40	20.94	52		15	120
			4-Methylphenol-d8	40	20.74	52		10	140
			Nitrobenzene-d5	40	21.69	54		10	135
			2-Nitrophenol-d4	40	22.39	56		10	120
			2,4-Dichlorophenol-d3	40	21.22	53		10	140
			4-Chloroaniline-d4	40	20.39	51		1	145
			Dimethylphthalate-d6	40	25.36	63		10	145
			Acenaphthylene-d8	40	24.92	62		15	120
			4-Nitrophenol-d4	40	15.36	38		10	150
			Fluorene-d10	40	25.28	63		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.52	36		10	130
			Anthracene-d10	40	25.22	63		10	150
			Pyrene-d10	40	25.65	64		10	130
			Benzo(a)pyrene-d12	40	25.51	64		10	140
			1,4-Dioxane-d8	8	1.29	16		15	120
			Pyridine-d5	40	1.76	4	*	20	120
			Phenol-d5	40	5.93	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.50	16		10	150
			2-Chlorophenol-d4	40	6.59	16		15	120
			4-Methylphenol-d8	40	3.80	9	*	10	140
P4751-21	BH9G2	BM048729.D	1,4-Dioxane-d8	8	1.29	16		15	120
			Pyridine-d5	40	1.76	4	*	20	120
			Phenol-d5	40	5.93	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.50	16		10	150
			2-Chlorophenol-d4	40	6.59	16		15	120
P4751-21	BH9G2	BM048729.D	4-Methylphenol-d8	40	3.80	9	*	10	140

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4751-21	BH9G2	BM048729.D	Nitrobenzene-d5	40	5.92	15		10	135
			2-Nitrophenol-d4	40	6.27	16		10	120
			2,4-Dichlorophenol-d3	40	6.11	15		10	140
			4-Chloroaniline-d4	40	1.94	5		1	145
			Dimethylphthalate-d6	40	7.92	20		10	145
			Acenaphthylene-d8	40	7.45	19		15	120
			4-Nitrophenol-d4	40	3.23	8	*	10	150
			Fluorene-d10	40	8.06	20		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.23	8	*	10	130
			Anthracene-d10	40	7.71	19		10	150
			Pyrene-d10	40	6.78	17		10	130
			Benzo(a)pyrene-d12	40	4.56	11		10	140
P4751-22	BH9G3	BM048728.D	1,4-Dioxane-d8	8	2.28	28		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	11.69	29		10	130
			Bis(2-Chloroethyl)ether-d8	40	13.43	34		10	150
			2-Chlorophenol-d4	40	13.51	34		15	120
			4-Methylphenol-d8	40	10.38	26		10	140
			Nitrobenzene-d5	40	12.75	32		10	135
			2-Nitrophenol-d4	40	12.58	31		10	120
			2,4-Dichlorophenol-d3	40	12.36	31		10	140
			4-Chloroaniline-d4	40	6.14	15		1	145
			Dimethylphthalate-d6	40	15.29	38		10	145
			Acenaphthylene-d8	40	14.52	36		15	120
			4-Nitrophenol-d4	40	4.75	12		10	150
			Fluorene-d10	40	15.31	38		20	140
			4,6-Dinitro-2-methylphenol-d2	40	5.40	14		10	130
			Anthracene-d10	40	14.60	37		10	150
			Pyrene-d10	40	12.62	32		10	130
			Benzo(a)pyrene-d12	40	8.29	21		10	140
P4751-23	BH9G4	BM048732.D	1,4-Dioxane-d8	8	3.58	45		15	120
			Pyridine-d5	40	14.38	36		20	120
			Phenol-d5	40	20.29	51		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.40	51		10	150
			2-Chlorophenol-d4	40	21.44	54		15	120
			4-Methylphenol-d8	40	18.94	47		10	140
			Nitrobenzene-d5	40	22.23	56		10	135
			2-Nitrophenol-d4	40	22.36	56		10	120
			2,4-Dichlorophenol-d3	40	21.04	53		10	140
			4-Chloroaniline-d4	40	20.28	51		1	145
			Dimethylphthalate-d6	40	24.79	62		10	145
			Acenaphthylene-d8	40	24.64	62		15	120
			4-Nitrophenol-d4	40	12.52	31		10	150
			Fluorene-d10	40	24.90	62		20	140
			4,6-Dinitro-2-methylphenol-d2	40	11.76	29		10	130
			Anthracene-d10	40	22.83	57		10	150
			Pyrene-d10	40	25.13	63		10	130
			Benzo(a)pyrene-d12	40	24.85	62		10	140
PB164821BL	PB164821BL	BM048711.D	Pyridine-d5	40	27.93	70		20	120

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164821BL	PB164821BL	BM048711.D	1,4-Dioxane-d8	8	6.17	77		15	120
		BM048726.D	Pyridine-d5	40	27.85	70		20	120
			1,4-Dioxane-d8	8	5.82	73		15	120
			Phenol-d5	40	29.35	73		10	130
		BM048711.D	Phenol-d5	40	29.11	73		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.84	75		10	150
		BM048726.D	Bis(2-Chloroethyl)ether-d8	40	30.05	75		10	150
			2-Chlorophenol-d4	40	30.51	76		15	120
		BM048711.D	2-Chlorophenol-d4	40	30.47	76		15	120
			4-Methylphenol-d8	40	28.37	71		10	140
		BM048726.D	4-Methylphenol-d8	40	28.59	71		10	140
			Nitrobenzene-d5	40	31.37	78		10	135
		BM048711.D	Nitrobenzene-d5	40	31.04	78		10	135
			2-Nitrophenol-d4	40	30.80	77		10	120
		BM048726.D	2-Nitrophenol-d4	40	31.04	78		10	120
			2,4-Dichlorophenol-d3	40	27.11	68		10	140
		BM048711.D	2,4-Dichlorophenol-d3	40	28.34	71		10	140
			4-Chloroaniline-d4	40	27.44	69		1	145
		BM048726.D	4-Chloroaniline-d4	40	28.44	71		1	145
			Dimethylphthalate-d6	40	33.14	83		10	145
		BM048711.D	Dimethylphthalate-d6	40	32.79	82		10	145
			Acenaphthylene-d8	40	31.90	80		15	120
		BM048726.D	Acenaphthylene-d8	40	32.34	81		15	120
			4-Nitrophenol-d4	40	20.69	52		10	150
		BM048711.D	4-Nitrophenol-d4	40	21.67	54		10	150
			Fluorene-d10	40	32.10	80		20	140
		BM048726.D	Fluorene-d10	40	32.54	81		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.67	67		10	130
		BM048711.D	4,6-Dinitro-2-methylphenol-d2	40	24.92	62		10	130
			Anthracene-d10	40	32.61	82		10	150
		BM048726.D	Anthracene-d10	40	32.86	82		10	150
			Pyrene-d10	40	33.99	85		10	130
		BM048711.D	Pyrene-d10	40	33.61	84		10	130
			Benzo(a)pyrene-d12	40	33.64	84		10	140
		BM048726.D	Benzo(a)pyrene-d12	40	33.34	83		10	140
PB164821BS	PB164821BS	BM048724.D	Pyridine-d5	40	28.98	72		20	120
			1,4-Dioxane-d8	8	5.85	73		15	120
			Phenol-d5	40	30.67	77		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.12	75		10	150
			2-Chlorophenol-d4	40	31.42	79		15	120
			4-Methylphenol-d8	40	30.16	75		10	140
			Nitrobenzene-d5	40	31.75	79		10	135
			2-Nitrophenol-d4	40	31.86	80		10	120
			2,4-Dichlorophenol-d3	40	31.73	79		10	140
			4-Chloroaniline-d4	40	26.47	66		1	145
			Dimethylphthalate-d6	40	32.07	80		10	145
			Acenaphthylene-d8	40	31.45	79		15	120
			4-Nitrophenol-d4	40	31.80	79		10	150
			Fluorene-d10	40	31.57	79		20	140

Surrogate Summary

SW-846

SDG No.: BM111524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB164821BS	PB164821BS	BM048724.D	4,6-Dinitro-2-methylphenol-d2	40	34.27	86		10	130
			Anthracene-d10	40	31.43	79		10	150
			Pyrene-d10	40	32.15	80		10	130
			Benzo(a)pyrene-d12	40	32.00	80		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM111524

Lab Code: CHEM

SAS No.: BM111524

SDG NO.: BM111524

Lab File ID: BM048709.D

DFTPP Injection Date: 11/15/2024

Instrument ID: BNA_M

DFTPP Injection Time: 15:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	42.7
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	84.9
443	15.0 - 24.0% of mass 442	15.9 (18.8) 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
SSTD020057	SSTDCCC020	BM048710.D	11/15/2024	15:51
SBLK821	PB164821BL	BM048711.D	11/15/2024	16:31
BH9D0	P4751-04	BM048712.D	11/15/2024	17:10
BH9E6	P4751-07	BM048713.D	11/15/2024	17:49
BH9F4	P4751-13	BM048714.D	11/15/2024	18:29
BH9F9	P4751-19	BM048715.D	11/15/2024	19:08
BH9G7	P4751-14	BM048716.D	11/15/2024	19:48
BH9F5	P4751-16	BM048717.D	11/15/2024	20:27
BH9F6	P4751-17	BM048718.D	11/15/2024	21:07
BH9E7	P4751-10	BM048719.D	11/15/2024	21:46
BH9D1	P4751-05	BM048720.D	11/15/2024	22:26
BH9E3	P4751-06	BM048721.D	11/15/2024	23:06
BH9C7	P4751-02	BM048722.D	11/15/2024	23:45
BH9C8	P4751-03	BM048723.D	11/16/2024	00:25
SLCS821	PB164821BS	BM048724.D	11/16/2024	01:05
SSTD020058	SSTDCCC020	BM048725.D	11/16/2024	02:24
SBLK821	PB164821BL	BM048726.D	11/16/2024	03:03
BH9C6	P4751-01	BM048727.D	11/16/2024	03:43

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM111524

Lab Code: CHEM

SAS No.: BM111524

SDG NO.: BM111524

Lab File ID: BM048709.D

DFTPP Injection Date: 11/15/2024

Instrument ID: BNA_M

DFTPP Injection Time: 15:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.3
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	42.7
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	25.7
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	84.9
443	15.0 - 24.0% of mass 442	15.9 (18.8) 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
BH9G3	P4751-22	BM048728.D	11/16/2024	04:23
BH9G2	P4751-21	BM048729.D	11/16/2024	05:02
BH9F8	P4751-18	BM048730.D	11/16/2024	05:42
BH9E8	P4751-11	BM048731.D	11/16/2024	06:21
BH9G4	P4751-23	BM048732.D	11/16/2024	07:01
BH9G0	P4751-20	BM048733.D	11/16/2024	07:40
SSTD020059	SSTDCCC020EC	BM048734.D	11/16/2024	08:19