

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/5/2024 12:17:15

Lab File ID: BG062241.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020589 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.524	0.528	0.010	0.9079	40.0
Benzaldehyde	1.009	1.130	0.010	12.0525	40.0
Pyridine	1.517	1.464	0.010	-3.4822	40.0
Phenol	2.014	1.946	0.080	-3.405	20.0
Bis(2-Chloroethyl)ether	1.493	1.468	0.100	-1.6876	20.0
2-Chlorophenol	1.453	1.446	0.200	-0.4599	20.0
2-Methylphenol	1.519	1.474	0.010	-2.9245	20.0
2,2-oxybis(1-Chloropropane)	3.050	3.039	0.010	-0.3733	40.0
Acetophenone	2.532	2.559	0.060	1.0692	20.0
4-Methylphenol	1.701	1.683	0.010	-1.073	20.0
N-Nitroso-di-n-propylamine	1.346	1.375	0.050	2.147	30.0
Hexachloroethane	0.540	0.559	0.100	3.6054	20.0
Nitrobenzene	0.351	0.391	0.050	11.4378	25.0
Isophorone	0.844	0.838	0.050	-0.6346	25.0
2-Nitrophenol	0.141	0.160	0.050	14.0413	25.0
2,4-Dimethylphenol	0.403	0.401	0.050	-0.4455	25.0
Bis(2-Chloroethoxy)methane	0.476	0.483	0.050	1.5817	20.0
2,4-Dichlorophenol	0.342	0.352	0.060	3.1196	20.0
Naphthalene	1.137	1.148	0.200	0.9791	20.0
4-Chloroaniline	0.478	0.482	0.010	0.8531	40.0
Hexachlorobutadiene	0.258	0.263	0.040	1.6634	30.0
Caprolactam	0.119	0.123	0.010	2.7509	40.0
4-Chloro-3-methylphenol	0.383	0.402	0.040	4.79	25.0
1-Methylnaphthalene	0.811	0.797	0.100	-1.8268	20.0
2-Methylnaphthalene	0.783	0.808	0.100	3.1137	20.0
Hexachlorocyclopentadiene	0.254	0.266	0.010	4.8406	40.0
2,4,6-Trichlorophenol	0.379	0.424	0.090	12.0543	25.0
2,4,5-Trichlorophenol	0.408	0.475	0.100	16.3657	25.0
1,1-Biphenyl	1.515	1.584	0.200	4.514	20.0
2-Chloronaphthalene	1.177	1.227	0.300	4.1966	20.0
2-Nitroaniline	0.300	0.356	0.050	18.8394	40.0
Dimethylphthalate	1.548	1.587	0.300	2.4897	20.0
2,6-Dinitrotoluene	0.211	0.255	0.080	20.5584	30.0
Acenaphthylene	1.864	1.923	0.400	3.1409	20.0
3-Nitroaniline	0.241	0.263	0.010	9.3165	40.0
Acenaphthene	1.388	1.399	0.200	0.7743	20.0
2,4-Dinitrophenol	0.084	0.068	0.010	-18.5027	40.0
4-Nitrophenol	0.193	0.200	0.010	3.41	40.0
Dibenzofuran	1.917	2.097	0.300	9.36	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/5/2024 12:17:15

Lab File ID: BG062241.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020589 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.290	0.375	0.070	29.2004	30.0
Diethylphthalate	1.563	1.701	0.300	8.8368	20.0
Fluorene	1.499	1.651	0.200	10.1158	20.0
4-Chlorophenyl-phenylether	0.773	0.845	0.100	9.3208	20.0
4-Nitroaniline	0.232	0.279	0.010	20.4009	40.0
4,6-Dinitro-2-methylphenol	0.068	0.064	0.010	-5.9417	40.0
N-Nitrosodiphenylamine	0.599	0.609	0.050	1.6359	20.0
1,2,4,5-Tetrachlorobenzene	0.653	0.705	0.100	7.9583	20.0
4-Bromophenyl-phenylether	0.228	0.237	0.070	3.9613	20.0
Hexachlorobenzene	0.265	0.271	0.050	2.1068	25.0
Atrazine	0.230	0.235	0.010	2.1509	25.0
Pentachlorophenol	0.140	0.135	0.010	-3.0828	40.0
Phenanthrene	1.126	1.143	0.200	1.5492	20.0
Pentachlorobenzene	0.313	0.303	0.050	-3.2827	20.0
Anthracene	1.155	1.175	0.200	1.6909	20.0
1,2,3,4-Tetrachlorobenzene	0.300	0.295	0.050	-1.4875	20.0
Carbazole	0.947	0.973	0.050	2.6812	40.0
Di-n-butylphthalate	1.127	1.179	0.500	4.5459	25.0
Fluoranthene	1.344	1.365	0.400	1.5401	25.0
Pyrene	1.431	1.440	0.400	0.6337	25.0
Butylbenzylphthalate	0.494	0.518	0.100	4.9176	40.0
3,3-Dichlorobenzidine	0.450	0.502	0.010	11.4156	40.0
Benzo (a) anthracene	1.465	1.488	0.300	1.6082	30.0
Chrysene	1.383	1.409	0.200	1.8711	30.0
Bis(2-ethylhexyl)phthalate	0.762	0.789	0.200	3.5411	40.0
Di-n-octyl phthalate	1.139	1.183	0.010	3.8466	40.0
Benzo (b) fluoranthene	1.217	1.230	0.200	1.0614	25.0
Benzo (k) fluoranthene	1.238	1.254	0.200	1.2993	25.0
Benzo (a) pyrene	1.151	1.174	0.200	1.9714	20.0
Indeno (1,2,3-cd) pyrene	1.492	1.492	0.200	0.0151	25.0
Dibenzo (a,h) anthracene	1.218	1.218	0.200	-0.0579	30.0
Benzo (g,h,i) perylene	1.133	1.130	0.200	-0.2671	30.0
2,3,4,6-Tetrachlorophenol	0.367	0.424	0.040	15.4354	20.0
1,4-Dioxane-d8	0.464	0.457	0.010	-1.4334	25.0
Pyridine-d5	1.459	1.389	0.010	-4.8371	40.0
Phenol-d5	1.909	1.887	0.010	-1.1513	25.0
Bis- (2-Chloroethyl) ether-d8	1.175	1.151	0.050	-2.0735	25.0
2-Chlorophenol-d4	1.368	1.354	0.200	-1.0036	20.0
4-Methylphenol-d8	1.590	1.566	0.010	-1.5306	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/5/2024 12:17:15

Lab File ID: BG062241.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020589 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.123	0.139	0.050	12.7423	20.0
2-Nitrophenol-d4	0.116	0.134	0.050	15.4215	30.0
2,4-Dichlorophenol-d3	0.337	0.343	0.060	1.8978	20.0
4-Chloroaniline-d4	0.489	0.496	0.010	1.494	40.0
Dimethylphthalate-d6	1.543	1.553	0.300	0.6558	20.0
Acenaphthylene-d8	1.750	1.784	0.400	1.9676	20.0
4-Nitrophenol-d4	0.216	0.222	0.010	2.7855	40.0
Fluorene-d10	1.385	1.515	0.100	9.3755	20.0
4,6-Dinitro-2-methylphenol-d2	0.059	0.056	0.010	-5.1684	40.0
Anthracene-d10	0.965	0.977	0.300	1.251	20.0
Pyrene-d10	1.189	1.192	0.300	0.2419	25.0
Benzo(a)pyrene-d12	1.069	1.083	0.010	1.3341	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.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/6/2024 12:03:40

Lab File ID: BG062255.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020590 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.524	0.484	0.010	-7.6224	40.0
Benzaldehyde	1.009	1.162	0.010	15.1643	40.0
Pyridine	1.517	1.509	0.010	-0.4981	40.0
Phenol	2.014	2.106	0.080	4.5661	20.0
Bis(2-Chloroethyl)ether	1.493	1.559	0.100	4.4689	20.0
2-Chlorophenol	1.453	1.539	0.200	5.9225	20.0
2-Methylphenol	1.519	1.577	0.010	3.8451	20.0
2,2-oxybis(1-Chloropropane)	3.050	3.180	0.010	4.2613	40.0
Acetophenone	2.532	2.690	0.060	6.2391	20.0
4-Methylphenol	1.701	1.812	0.010	6.5098	20.0
N-Nitroso-di-n-propylamine	1.346	1.451	0.050	7.8295	30.0
Hexachloroethane	0.540	0.583	0.100	8.0328	20.0
Nitrobenzene	0.351	0.401	0.050	14.3419	25.0
Isophorone	0.844	0.837	0.050	-0.8118	25.0
2-Nitrophenol	0.141	0.175	0.050	24.1591	25.0
2,4-Dimethylphenol	0.403	0.406	0.050	0.7481	25.0
Bis(2-Chloroethoxy)methane	0.476	0.473	0.050	-0.584	20.0
2,4-Dichlorophenol	0.342	0.360	0.060	5.4731	20.0
Naphthalene	1.137	1.166	0.200	2.5322	20.0
4-Chloroaniline	0.478	0.487	0.010	1.9239	40.0
Hexachlorobutadiene	0.258	0.257	0.040	-0.6208	30.0
Caprolactam	0.119	0.122	0.010	2.4136	40.0
4-Chloro-3-methylphenol	0.383	0.397	0.040	3.4924	25.0
1-Methylnaphthalene	0.811	0.867	0.100	6.9011	20.0
2-Methylnaphthalene	0.783	0.847	0.100	8.1518	20.0
Hexachlorocyclopentadiene	0.254	0.284	0.010	12.105	40.0
2,4,6-Trichlorophenol	0.379	0.432	0.090	14.0872	25.0
2,4,5-Trichlorophenol	0.408	0.471	0.100	15.4863	25.0
1,1-Biphenyl	1.515	1.559	0.200	2.9098	20.0
2-Chloronaphthalene	1.177	1.214	0.300	3.1178	20.0
2-Nitroaniline	0.300	0.368	0.050	22.591	40.0
Dimethylphthalate	1.548	1.548	0.300	0.0001	20.0
2,6-Dinitrotoluene	0.211	0.268	0.080	26.7156	30.0
Acenaphthylene	1.864	1.886	0.400	1.1882	20.0
3-Nitroaniline	0.241	0.278	0.010	15.6216	40.0
Acenaphthene	1.388	1.419	0.200	2.2063	20.0
2,4-Dinitrophenol	0.084	0.091	0.010	8.4542	40.0
4-Nitrophenol	0.193	0.216	0.010	11.8224	40.0
Dibenzofuran	1.917	1.963	0.300	2.3566	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/6/2024 12:03:40

Lab File ID: BG062255.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020590 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.290	0.384	0.070	32.6062	30.0
Diethylphthalate	1.563	1.544	0.300	-1.2315	20.0
Fluorene	1.499	1.500	0.200	0.0378	20.0
4-Chlorophenyl-phenylether	0.773	0.782	0.100	1.161	20.0
4-Nitroaniline	0.232	0.264	0.010	13.9856	40.0
4,6-Dinitro-2-methylphenol	0.068	0.081	0.010	19.2229	40.0
N-Nitrosodiphenylamine	0.599	0.608	0.050	1.524	20.0
1,2,4,5-Tetrachlorobenzene	0.653	0.687	0.100	5.2288	20.0
4-Bromophenyl-phenylether	0.228	0.235	0.070	3.2013	20.0
Hexachlorobenzene	0.265	0.272	0.050	2.4798	25.0
Atrazine	0.230	0.239	0.010	4.226	25.0
Pentachlorophenol	0.140	0.153	0.010	9.5354	40.0
Phenanthrene	1.126	1.137	0.200	0.9737	20.0
Pentachlorobenzene	0.313	0.323	0.050	3.1272	20.0
Anthracene	1.155	1.172	0.200	1.4152	20.0
1,2,3,4-Tetrachlorobenzene	0.300	0.315	0.050	5.2543	20.0
Carbazole	0.947	0.973	0.050	2.6752	40.0
Di-n-butylphthalate	1.127	1.166	0.500	3.455	25.0
Fluoranthene	1.344	1.357	0.400	0.9264	25.0
Pyrene	1.431	1.451	0.400	1.3487	25.0
Butylbenzylphthalate	0.494	0.526	0.100	6.4824	40.0
3,3-Dichlorobenzidine	0.450	0.500	0.010	11.058	40.0
Benzo (a) anthracene	1.465	1.476	0.300	0.7782	30.0
Chrysene	1.383	1.406	0.200	1.6817	30.0
Bis(2-ethylhexyl)phthalate	0.762	0.792	0.200	3.8764	40.0
Di-n-octyl phthalate	1.139	1.187	0.010	4.227	40.0
Benzo (b) fluoranthene	1.217	1.230	0.200	1.1162	25.0
Benzo (k) fluoranthene	1.238	1.252	0.200	1.1674	25.0
Benzo (a) pyrene	1.151	1.164	0.200	1.1397	20.0
Indeno (1,2,3-cd) pyrene	1.492	1.502	0.200	0.7173	25.0
Dibenzo (a,h) anthracene	1.218	1.235	0.200	1.3514	30.0
Benzo (g,h,i) perylene	1.133	1.153	0.200	1.7801	30.0
2,3,4,6-Tetrachlorophenol	0.367	0.417	0.040	13.5294	20.0
1,4-Dioxane-d8	0.464	0.480	0.010	3.4067	25.0
Pyridine-d5	1.459	1.435	0.010	-1.6323	40.0
Phenol-d5	1.909	1.962	0.010	2.7722	25.0
Bis- (2-Chloroethyl) ether-d8	1.175	1.251	0.050	6.4394	25.0
2-Chlorophenol-d4	1.368	1.502	0.200	9.8461	20.0
4-Methylphenol-d8	1.590	1.694	0.010	6.5119	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/6/2024 12:03:40

Lab File ID: BG062255.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020590 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.123	0.148	0.050	19.8557	20.0
2-Nitrophenol-d4	0.116	0.153	0.050	31.508	30.0
2,4-Dichlorophenol-d3	0.337	0.361	0.060	7.1994	20.0
4-Chloroaniline-d4	0.489	0.500	0.010	2.3118	40.0
Dimethylphthalate-d6	1.543	1.534	0.300	-0.5797	20.0
Acenaphthylene-d8	1.750	1.777	0.400	1.5459	20.0
4-Nitrophenol-d4	0.216	0.243	0.010	12.3056	40.0
Fluorene-d10	1.385	1.404	0.100	1.3604	20.0
4,6-Dinitro-2-methylphenol-d2	0.059	0.071	0.010	20.3214	40.0
Anthracene-d10	0.965	0.975	0.300	1.1116	20.0
Pyrene-d10	1.189	1.204	0.300	1.2693	25.0
Benzo(a)pyrene-d12	1.069	1.078	0.010	0.8514	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.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/5/2024 12:14:55

Lab File ID: BG062238.D Init. Calib. Date(s): _____

EPA Sample No.: SICV431 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.524	0.455	0.010	-13.1444	40.0
Benzaldehyde	1.009	1.092	0.010	8.1988	40.0
Pyridine	1.517	1.229	0.010	-18.998	40.0
Phenol	2.014	1.859	0.080	-7.6848	20.0
Bis(2-Chloroethyl)ether	1.493	1.378	0.100	-7.7139	20.0
2-Chlorophenol	1.453	1.346	0.200	-7.3522	20.0
2-Methylphenol	1.519	1.429	0.010	-5.911	20.0
2,2-oxybis(1-Chloropropane)	3.050	2.889	0.010	-5.275	40.0
Acetophenone	2.532	2.449	0.060	-3.274	20.0
4-Methylphenol	1.701	1.581	0.010	-7.04	20.0
N-Nitroso-di-n-propylamine	1.346	1.273	0.050	-5.4201	30.0
Hexachloroethane	0.540	0.516	0.100	-4.4982	20.0
Nitrobenzene	0.351	0.364	0.050	3.8104	25.0
Isophorone	0.844	0.789	0.050	-6.4735	25.0
2-Nitrophenol	0.141	0.149	0.050	5.6235	25.0
2,4-Dimethylphenol	0.403	0.336	0.050	-16.6165	25.0
Bis(2-Chloroethoxy)methane	0.476	0.449	0.050	-5.6999	20.0
2,4-Dichlorophenol	0.342	0.323	0.060	-5.5312	20.0
Naphthalene	1.137	1.097	0.200	-3.4658	20.0
4-Chloroaniline	0.478	0.461	0.010	-3.389	40.0
Hexachlorobutadiene	0.258	0.242	0.040	-6.5087	30.0
Caprolactam	0.119	0.117	0.010	-1.8797	40.0
4-Chloro-3-methylphenol	0.383	0.382	0.040	-0.2176	25.0
1-Methylnaphthalene	0.811	0.724	0.100	-10.8163	20.0
2-Methylnaphthalene	0.783	0.759	0.100	-3.1531	20.0
Hexachlorocyclopentadiene	0.254	0.237	0.010	-6.778	40.0
2,4,6-Trichlorophenol	0.379	0.399	0.090	5.4749	25.0
2,4,5-Trichlorophenol	0.408	0.436	0.100	6.8111	25.0
1,1-Biphenyl	1.515	1.516	0.200	0.0423	20.0
2-Chloronaphthalene	1.177	1.167	0.300	-0.8934	20.0
2-Nitroaniline	0.300	0.332	0.050	10.7381	40.0
Dimethylphthalate	1.548	1.474	0.300	-4.7823	20.0
2,6-Dinitrotoluene	0.211	0.261	0.080	23.6195	30.0
Acenaphthylene	1.864	1.825	0.400	-2.1096	20.0
3-Nitroaniline	0.241	0.277	0.010	15.1596	40.0
Acenaphthene	1.388	1.309	0.200	-5.6951	20.0
2,4-Dinitrophenol	0.084	0.073	0.010	-12.5636	40.0
4-Nitrophenol	0.193	0.202	0.010	4.655	40.0
Dibenzofuran	1.917	1.990	0.300	3.8105	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/5/2024 12:14:55

Lab File ID: BG062238.D Init. Calib. Date(s): _____

EPA Sample No.: SICV431 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.290	0.353	0.070	21.7714	30.0
Diethylphthalate	1.563	1.595	0.300	2.0651	20.0
Fluorene	1.499	1.523	0.200	1.5636	20.0
4-Chlorophenyl-phenylether	0.773	0.783	0.100	1.2736	20.0
4-Nitroaniline	0.232	0.310	0.010	33.6142	40.0
4,6-Dinitro-2-methylphenol	0.068	0.065	0.010	-4.1494	40.0
N-Nitrosodiphenylamine	0.599	0.577	0.050	-3.7531	20.0
1,2,4,5-Tetrachlorobenzene	0.653	0.664	0.100	1.7012	20.0
4-Bromophenyl-phenylether	0.228	0.203	0.070	-10.771	20.0
Hexachlorobenzene	0.265	0.251	0.050	-5.2296	25.0
Atrazine	0.230	0.216	0.010	-5.8375	25.0
Pentachlorophenol	0.140	0.138	0.010	-1.4493	40.0
Phenanthrene	1.126	1.059	0.200	-5.9304	20.0
Pentachlorobenzene	0.313	0.282	0.050	-10.0645	20.0
Anthracene	1.155	1.100	0.200	-4.8052	20.0
1,2,3,4-Tetrachlorobenzene	0.300	0.272	0.050	-9.3546	20.0
Carbazole	0.947	0.915	0.050	-3.4107	40.0
Di-n-butylphthalate	1.127	1.107	0.500	-1.7951	25.0
Fluoranthene	1.344	1.307	0.400	-2.7913	25.0
Pyrene	1.431	1.373	0.400	-4.1011	25.0
Butylbenzylphthalate	0.494	0.499	0.100	0.9789	40.0
3,3-Dichlorobenzidine	0.450	0.496	0.010	10.0836	40.0
Benzo (a) anthracene	1.465	1.386	0.300	-5.3714	30.0
Chrysene	1.383	1.315	0.200	-4.9226	30.0
Bis (2-ethylhexyl) phthalate	0.762	0.764	0.200	0.224	40.0
Di-n-octyl phthalate	1.139	1.144	0.010	0.3722	40.0
Benzo (b) fluoranthene	1.217	1.177	0.200	-3.2853	25.0
Benzo (k) fluoranthene	1.238	1.154	0.200	-6.7954	25.0
Benzo (a) pyrene	1.151	1.129	0.200	-1.8988	20.0
Indeno (1,2,3-cd) pyrene	1.492	1.455	0.200	-2.4628	25.0
Dibenzo (a,h) anthracene	1.218	1.205	0.200	-1.0736	30.0
Benzo (g,h,i) perylene	1.133	1.079	0.200	-4.7242	30.0
2,3,4,6-Tetrachlorophenol	0.367	0.437	0.040	18.818	20.0
1,4-Dioxane-d8	0.464	0.397	0.010	-14.3658	25.0
Pyridine-d5	1.459	1.292	0.010	-11.4901	40.0
Phenol-d5	1.909	1.808	0.010	-5.3005	25.0
Bis- (2-Chloroethyl) ether-d8	1.175	1.217	0.050	3.5878	25.0
2-Chlorophenol-d4	1.368	1.342	0.200	-1.8532	20.0
4-Methylphenol-d8	1.590	1.521	0.010	-4.3597	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: BNA_G Calibration Date/Time: 8/5/2024 12:14:55

Lab File ID: BG062238.D Init. Calib. Date(s): _____

EPA Sample No.: SICV431 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.123	0.135	0.050	9.7688	20.0
2-Nitrophenol-d4	0.116	0.127	0.050	9.7735	30.0
2,4-Dichlorophenol-d3	0.337	0.335	0.060	-0.5931	20.0
4-Chloroaniline-d4	0.489	0.469	0.010	-4.1213	40.0
Dimethylphthalate-d6	1.543	1.512	0.300	-1.9933	20.0
Acenaphthylene-d8	1.750	1.740	0.400	-0.5419	20.0
4-Nitrophenol-d4	0.216	0.236	0.010	9.1756	40.0
Fluorene-d10	1.385	1.445	0.100	4.3034	20.0
4,6-Dinitro-2-methylphenol-d2	0.059	0.057	0.010	-3.322	40.0
Anthracene-d10	0.965	0.941	0.300	-2.3994	20.0
Pyrene-d10	1.189	1.182	0.300	-0.5324	25.0
Benzo(a)pyrene-d12	1.069	1.060	0.010	-0.8793	20.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062239.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	27	U	27	6.6	67	ug/Kg
100-52-7	Benzaldehyde	58	U	58	82.5	330	ug/Kg
110-86-1	Pyridine	77	U	77	170	330	ug/Kg
108-95-2	Phenol	30	U	30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	29	U	29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	31	U	31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	82.5	330	ug/Kg
98-86-2	Acetophenone	66	U	66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	53	U	53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	79	U	79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	61	U	61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	64	U	64	42.5	170	ug/Kg
78-59-1	Isophorone	66	U	66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	38	U	38	42.5	170	ug/Kg
91-20-3	Naphthalene	24	U	24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	36	U	36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	42.5	170	ug/Kg
105-60-2	Caprolactam	64	U	64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	24	U	24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	32	U	32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97	U	97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24	U	24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33	U	33	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062239.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	26	U	26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	33	U	33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	45	U	45	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	30	U	30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	20	U	20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	29	U	29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	66	U	66	82.5	330	ug/Kg
83-32-9	Acenaphthene	26	U	26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	27	U	27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	U	35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	33	U	33	42.5	170	ug/Kg
86-73-7	Fluorene	27	U	27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	24	U	24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	38	U	38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	24	U	24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	34	U	34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	26	U	26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	28	U	28	42.5	170	ug/Kg
1912-24-9	Atrazine	28	U	28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	88	U	88	82.5	330	ug/Kg
85-01-8	Phenanthrene	27	U	27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	37	U	37	42.5	170	ug/Kg
120-12-7	Anthracene	25	U	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	17	U	17	42.5	170	ug/Kg
86-74-8	Carbazole	34	U	34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	27	U	27	42.5	170	ug/Kg
206-44-0	Fluoranthene	19	U	19	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062239.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	18	U	18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	52	U	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	23	U	23	42.5	170	ug/Kg
218-01-9	Chrysene	24	U	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	25	U	25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.578		15-120		70	SPK: -8
7291-22-7	Pyridine-d5	26.876		20-120		67	SPK: -40
4165-62-2	Phenol-d5	25.708		10-130		64	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.301		10-150		66	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.258		15-120		68	SPK: -40
190780-66-6	4-Methylphenol-d8	25.926		10-140		65	SPK: -40
4165-60-0	Nitrobenzene-d5	31.472		10-135		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.582		10-120		79	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.974		10-140		65	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.411		1-145		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.731		10-145		64	SPK: -40
93951-97-4	Acenaphthylene-d8	25.032		15-120		63	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.807		10-150		65	SPK: -40
81103-79-9	Fluorene-d10	27.384		20-140		68	SPK: -40

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062239.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.816		10-130		50	SPK: -40
1719-06-8	Anthracene-d10	28.044		10-150		70	SPK: -40
1718-52-1	Pyrene-d10	28.55		10-130		71	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.917		10-140		70	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55931	7.964				
1146-65-2	Naphthalene-d8	255069	10.76				
15067-26-2	Acenaphthene-d10	203134	14.585				
1517-22-2	Phenanthrene-d10	454424	17.328				
1719-03-5	Chrysene-d12	448266	21.569				
1520-96-3	Perylene-d12	517724	24.671				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SLCS313	SDG No.:	BG080524
Lab Sample ID:	PB162313BS	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
BG062240.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	360		27	6.6	67	ug/Kg
110-86-1	Pyridine	920		77	170	330	ug/Kg
100-52-7	Benzaldehyde	1000		58	82.5	330	ug/Kg
108-95-2	Phenol	1100		30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1000		29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	1100		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	1000		31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		40	82.5	330	ug/Kg
98-86-2	Acetophenone	1000		66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	1100		53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1100		79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	1000		61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1200		64	42.5	170	ug/Kg
78-59-1	Isophorone	1100		66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1300		60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	880		32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1100		45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		38	42.5	170	ug/Kg
91-20-3	Naphthalene	1100		24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	940		36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	1000		35	42.5	170	ug/Kg
105-60-2	Caprolactam	1200		64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	1100		24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1100		32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	900		97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		33	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SLCS313	SDG No.:	BG080524
Lab Sample ID:	PB162313BS	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
BG062240.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1000		26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1000		33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1200		45	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	1000		30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1100		29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	1300		66	82.5	330	ug/Kg
83-32-9	Acenaphthene	1100		26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	1200		130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	1200		44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1100		27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	1100		33	42.5	170	ug/Kg
86-73-7	Fluorene	1100		27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1400		24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1100		24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1100		28	42.5	170	ug/Kg
1912-24-9	Atrazine	110	J	28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	890		88	82.5	330	ug/Kg
85-01-8	Phenanthrene	1100		27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	1000		37	42.5	170	ug/Kg
120-12-7	Anthracene	1100		25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1000		17	42.5	170	ug/Kg
86-74-8	Carbazole	1100		34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1100		27	42.5	170	ug/Kg
206-44-0	Fluoranthene	1100		19	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SLCS313	SDG No.:	BG080524
Lab Sample ID:	PB162313BS	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
BG062240.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1100		18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	1200		22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1100		23	42.5	170	ug/Kg
218-01-9	Chrysene	1100		24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1100		31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	960		36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.462		15-120		81	SPK: -8
7291-22-7	Pyridine-d5	26.95		20-120		67	SPK: -40
4165-62-2	Phenol-d5	31.922		10-130		80	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.876		10-150		75	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.661		15-120		77	SPK: -40
190780-66-6	4-Methylphenol-d8	30.981		10-140		77	SPK: -40
4165-60-0	Nitrobenzene-d5	36.207		10-135		91	SPK: -40
93951-78-1	2-Nitrophenol-d4	38.838		10-120		97	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.112		10-140		83	SPK: -40
191656-33-4	4-Chloroaniline-d4	29.413		1-145		74	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.502		10-145		76	SPK: -40
93951-97-4	Acenaphthylene-d8	30.486		15-120		76	SPK: -40
93951-79-2	4-Nitrophenol-d4	36.403		10-150		91	SPK: -40
81103-79-9	Fluorene-d10	32.632		20-140		82	SPK: -40

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SLCS313	SDG No.:	BG080524
Lab Sample ID:	PB162313BS	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
BG062240.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	37.433		10-130		94	SPK: -40
1719-06-8	Anthracene-d10	31.913		10-150		80	SPK: -40
1718-52-1	Pyrene-d10	33.026		10-130		83	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.229		10-140		81	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51230	7.966				
1146-65-2	Naphthalene-d8	232144	10.762				
15067-26-2	Acenaphthene-d10	179051	14.586				
1517-22-2	Phenanthrene-d10	405705	17.324				
1719-03-5	Chrysene-d12	396288	21.571				
1520-96-3	Perylene-d12	453703	24.667				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062242.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	27	U	27	6.6	67	ug/Kg
100-52-7	Benzaldehyde	58	U	58	82.5	330	ug/Kg
110-86-1	Pyridine	77	U	77	170	330	ug/Kg
108-95-2	Phenol	30	U	30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	29	U	29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	31	U	31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	82.5	330	ug/Kg
98-86-2	Acetophenone	66	U	66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	53	U	53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	79	U	79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	61	U	61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	64	U	64	42.5	170	ug/Kg
78-59-1	Isophorone	66	U	66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	38	U	38	42.5	170	ug/Kg
91-20-3	Naphthalene	24	U	24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	36	U	36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	42.5	170	ug/Kg
105-60-2	Caprolactam	64	U	64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	24	U	24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	32	U	32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97	U	97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24	U	24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33	U	33	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062242.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	26	U	26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	33	U	33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	45	U	45	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	30	U	30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	20	U	20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	29	U	29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	66	U	66	82.5	330	ug/Kg
83-32-9	Acenaphthene	26	U	26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	27	U	27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	U	35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	33	U	33	42.5	170	ug/Kg
86-73-7	Fluorene	27	U	27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	24	U	24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	38	U	38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	24	U	24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	34	U	34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	26	U	26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	28	U	28	42.5	170	ug/Kg
1912-24-9	Atrazine	28	U	28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	88	U	88	82.5	330	ug/Kg
85-01-8	Phenanthrene	27	U	27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	37	U	37	42.5	170	ug/Kg
120-12-7	Anthracene	25	U	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	17	U	17	42.5	170	ug/Kg
86-74-8	Carbazole	34	U	34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	27	U	27	42.5	170	ug/Kg
206-44-0	Fluoranthene	19	U	19	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062242.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	18	U	18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	52	U	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	23	U	23	42.5	170	ug/Kg
218-01-9	Chrysene	24	U	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	25	U	25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.674		15-120		71	SPK: -8
7291-22-7	Pyridine-d5	26.08		20-120		65	SPK: -40
4165-62-2	Phenol-d5	26.771		10-130		67	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.127		10-150		68	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.25		15-120		66	SPK: -40
190780-66-6	4-Methylphenol-d8	26.539		10-140		66	SPK: -40
4165-60-0	Nitrobenzene-d5	31.189		10-135		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.54		10-120		81	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.505		10-140		66	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.488		1-145		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.941		10-145		70	SPK: -40
93951-97-4	Acenaphthylene-d8	27.108		15-120		68	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.16		10-150		63	SPK: -40
81103-79-9	Fluorene-d10	29.754		20-140		74	SPK: -40

Report of Analysis

Client:		Date Collected:	7/26/2024 12:00:00 AM
Project:		Date Received:	7/26/2024 12:00:00 AM
Client Sample ID:	SBLK313	SDG No.:	BG080524
Lab Sample ID:	PB162313BL	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
BG062242.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.87		10-130		52	SPK: -40
1719-06-8	Anthracene-d10	28.001		10-150		70	SPK: -40
1718-52-1	Pyrene-d10	27.869		10-130		70	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.814		10-140		70	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	58882	7.963				
1146-65-2	Naphthalene-d8	273044	10.76				
15067-26-2	Acenaphthene-d10	202015	14.584				
1517-22-2	Phenanthrene-d10	483121	17.321				
1719-03-5	Chrysene-d12	475469	21.569				
1520-96-3	Perylene-d12	553321	24.664				
TENTATIVE IDENTIFIED COMPOUNDS							
	(DEL) Alkane: Straight-Chain	24.811	70	J		24.811	
	(DEL) Alkane: Straight-Chain	25.922	83	J		25.922	
	(DEL) Alkane: Straight-Chain	27.249	93	J		27.249	
	(DEL) Alkane: Straight-Chain	28.853	83	J		28.853	
	(DEL) Alkane: Straight-Chain	30.780	69	J		30.78	
E966796	Total Alkanes	400				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N3	SDG No.:	BG080524
Lab Sample ID:	P3361-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.3
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
BG062243.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8.1	81	ug/Kg
100-52-7	Benzaldehyde	71	U	71	100	400	ug/Kg
110-86-1	Pyridine	94	U	94	200	400	ug/Kg
108-95-2	Phenol	37	U	37	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.8	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	49	U	49	100	400	ug/Kg
98-86-2	Acetophenone	81	U	81	100	400	ug/Kg
106-44-5	4-Methylphenol	65	U	65	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	96	U	96	51.8	210	ug/Kg
67-72-1	Hexachloroethane	74	U	74	51.8	210	ug/Kg
98-95-3	Nitrobenzene	78	U	78	51.8	210	ug/Kg
78-59-1	Isophorone	81	U	81	51.8	210	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	51.8	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	51.8	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	51.8	210	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51.8	210	ug/Kg
91-20-3	Naphthalene	29	U	29	51.8	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	51.8	400	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	51.8	210	ug/Kg
105-60-2	Caprolactam	78	U	78	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	51.8	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51.8	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	51.8	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51.8	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51.8	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N3	SDG No.:	BG080524
Lab Sample ID:	P3361-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062243.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	51.8	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51.8	210	ug/Kg
88-74-4	2-Nitroaniline	55	U	55	51.8	210	ug/Kg
131-11-3	Dimethylphthalate	37	U	37	51.8	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51.8	210	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51.8	210	ug/Kg
99-09-2	3-Nitroaniline	81	U	81	100	400	ug/Kg
83-32-9	Acenaphthene	32	U	32	51.8	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	400	ug/Kg
100-02-7	4-Nitrophenol	54	U	54	100	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	51.8	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	51.8	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51.8	210	ug/Kg
86-73-7	Fluorene	33	U	33	51.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51.8	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51.8	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	51.8	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51.8	210	ug/Kg
1912-24-9	Atrazine	34	U	34	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	33	U	33	51.8	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	51.8	210	ug/Kg
120-12-7	Anthracene	30	U	30	51.8	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	51.8	210	ug/Kg
86-74-8	Carbazole	41	U	41	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	51.8	210	ug/Kg
206-44-0	Fluoranthene	23	U	23	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N3	SDG No.:	BG080524
Lab Sample ID:	P3361-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062243.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	51.8	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	51.8	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	51.8	210	ug/Kg
218-01-9	Chrysene	29	U	29	51.8	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	51.8	210	ug/Kg
117-84-0	Di-n-octyl phthalate	59	U	59	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	45	51.8	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	51.8	210	ug/Kg
50-32-8	Benzo(a)pyrene	38	U	38	51.8	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	51.8	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	U	32	51.8	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	51.8	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51.8	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.164		15-120		52	SPK: -8
7291-22-7	Pyridine-d5	18.669		20-120		47	SPK: -40
4165-62-2	Phenol-d5	24.107		10-130		60	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.984		10-150		60	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.554		15-120		59	SPK: -40
190780-66-6	4-Methylphenol-d8	24.841		10-140		62	SPK: -40
4165-60-0	Nitrobenzene-d5	27.6		10-135		69	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.63		10-120		74	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	24.808		10-140		62	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.243		1-145		63	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.555		10-145		69	SPK: -40
93951-97-4	Acenaphthylene-d8	26.419		15-120		66	SPK: -40
93951-79-2	4-Nitrophenol-d4	24.773		10-150		62	SPK: -40
81103-79-9	Fluorene-d10	29.264		20-140		73	SPK: -40

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N3	SDG No.:	BG080524
Lab Sample ID:	P3361-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062243.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.303		10-130		53	SPK: -40
1719-06-8	Anthracene-d10	28.813		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	29.616		10-130		74	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.96		10-140		75	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62145	7.964				
1146-65-2	Naphthalene-d8	284678	10.76				
15067-26-2	Acenaphthene-d10	216087	14.584				
1517-22-2	Phenanthrene-d10	494694	17.322				
1719-03-5	Chrysene-d12	482643	21.563				
1520-96-3	Perylene-d12	563507	24.665				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	310	J			3.687	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	150	J			7.558	
000770-35-4	1-Phenoxypropan-2-ol	260	J			11.494	
000057-10-3	n-Hexadecanoic acid	130	J			18.232	
	(DEL) Alkane: Cyclic21.252	170	J			21.252	
E966796	Total Alkanes	170				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N5	SDG No.:	BG080524
Lab Sample ID:	P3361-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062244.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8	81	ug/Kg
100-52-7	Benzaldehyde	70	U	70	100	400	ug/Kg
110-86-1	Pyridine	93	U	93	200	400	ug/Kg
108-95-2	Phenol	36	U	36	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.5	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	100	400	ug/Kg
98-86-2	Acetophenone	80	U	80	100	400	ug/Kg
106-44-5	4-Methylphenol	64	U	64	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	96	U	96	51.5	210	ug/Kg
67-72-1	Hexachloroethane	74	U	74	51.5	210	ug/Kg
98-95-3	Nitrobenzene	78	U	78	51.5	210	ug/Kg
78-59-1	Isophorone	80	U	80	51.5	210	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	51.5	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	51.5	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	51.5	210	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51.5	210	ug/Kg
91-20-3	Naphthalene	29	U	29	51.5	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	51.5	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	51.5	210	ug/Kg
105-60-2	Caprolactam	78	U	78	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	51.5	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	51.5	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51.5	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51.5	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N5	SDG No.:	BG080524
Lab Sample ID:	P3361-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062244.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	51.5	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51.5	210	ug/Kg
88-74-4	2-Nitroaniline	55	U	55	51.5	210	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	51.5	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51.5	210	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51.5	210	ug/Kg
99-09-2	3-Nitroaniline	80	U	80	100	400	ug/Kg
83-32-9	Acenaphthene	32	U	32	51.5	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	100	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	51.5	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	51.5	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51.5	210	ug/Kg
86-73-7	Fluorene	33	U	33	51.5	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51.5	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51.5	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51.5	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	51.5	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51.5	210	ug/Kg
1912-24-9	Atrazine	34	U	34	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	33	U	33	51.5	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	51.5	210	ug/Kg
120-12-7	Anthracene	30	U	30	51.5	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	51.5	210	ug/Kg
86-74-8	Carbazole	41	U	41	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	51.5	210	ug/Kg
206-44-0	Fluoranthene	23	U	23	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N5	SDG No.:	BG080524
Lab Sample ID:	P3361-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.5
Sample Wt/Vol:	30	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
BG062244.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	51.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	51.5	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	51.5	210	ug/Kg
218-01-9	Chrysene	29	U	29	51.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	51.5	210	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	45	51.5	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	51.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	38	U	38	51.5	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	51.5	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	U	32	51.5	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	51.5	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51.5	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.305		15-120		66	SPK: -8
7291-22-7	Pyridine-d5	27.708		20-120		69	SPK: -40
4165-62-2	Phenol-d5	33.342		10-130		83	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	32.791		10-150		82	SPK: -40
93951-73-6	2-Chlorophenol-d4	32.701		15-120		82	SPK: -40
190780-66-6	4-Methylphenol-d8	32.839		10-140		82	SPK: -40
4165-60-0	Nitrobenzene-d5	38.603		10-135		97	SPK: -40
93951-78-1	2-Nitrophenol-d4	41.129		10-120		103	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.508		10-140		84	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.622		1-145		79	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.249		10-145		86	SPK: -40
93951-97-4	Acenaphthylene-d8	34.306		15-120		86	SPK: -40
93951-79-2	4-Nitrophenol-d4	32.271		10-150		81	SPK: -40
81103-79-9	Fluorene-d10	37.335		20-140		93	SPK: -40

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N5	SDG No.:	BG080524
Lab Sample ID:	P3361-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.5
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062244.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	29.771		10-130		74	SPK: -40
1719-06-8	Anthracene-d10	32.838		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	34.093		10-130		85	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	34.349		10-140		86	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59328	7.964				
1146-65-2	Naphthalene-d8	274633	10.76				
15067-26-2	Acenaphthene-d10	195716	14.584				
1517-22-2	Phenanthrene-d10	475305	17.322				
1719-03-5	Chrysene-d12	465998	21.563				
1520-96-3	Perylene-d12	538044	24.665				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	390	J			3.687	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	130	J			7.558	
000770-35-4	1-Phenoxypropan-2-ol	250	J			11.494	
	unknown-01	190	J			14.813	
000057-10-3	n-Hexadecanoic acid	160	J			18.232	
	(DEL) Alkane: Straight-Chain21.252	240	J			21.252	
E966796	Total Alkanes	240				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N6	SDG No.:	BG080524
Lab Sample ID:	P3361-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062245.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	35	U	35	8.4	85	ug/Kg
100-52-7	Benzaldehyde	74	U	74	110	420	ug/Kg
110-86-1	Pyridine	99	U	99	210	420	ug/Kg
108-95-2	Phenol	38	U	38	110	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	37	U	37	110	420	ug/Kg
95-57-8	2-Chlorophenol	36	U	36	54.4	220	ug/Kg
95-48-7	2-Methylphenol	40	U	40	110	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	51	U	51	110	420	ug/Kg
98-86-2	Acetophenone	84	U	84	110	420	ug/Kg
106-44-5	4-Methylphenol	68	U	68	110	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	100	U	100	54.4	220	ug/Kg
67-72-1	Hexachloroethane	78	U	78	54.4	220	ug/Kg
98-95-3	Nitrobenzene	82	U	82	54.4	220	ug/Kg
78-59-1	Isophorone	84	U	84	54.4	220	ug/Kg
88-75-5	2-Nitrophenol	77	U	77	54.4	220	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	54.4	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	58	U	58	54.4	220	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	54.4	220	ug/Kg
91-20-3	Naphthalene	31	U	31	54.4	220	ug/Kg
106-47-8	4-Chloroaniline	46	U	46	54.4	420	ug/Kg
87-68-3	Hexachlorobutadiene	45	U	45	54.4	220	ug/Kg
105-60-2	Caprolactam	82	U	82	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	54.4	220	ug/Kg
90-12-0	1-Methylnaphthalene	31	U	31	54.4	220	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	54.4	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	110	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31	U	31	54.4	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	54.4	220	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N6	SDG No.:	BG080524
Lab Sample ID:	P3361-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.1
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
BG062245.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	33	U	33	54.4	220	ug/Kg
91-58-7	2-Chloronaphthalene	42	U	42	54.4	220	ug/Kg
88-74-4	2-Nitroaniline	58	U	58	54.4	220	ug/Kg
131-11-3	Dimethylphthalate	38	U	38	54.4	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	54.4	220	ug/Kg
208-96-8	Acenaphthylene	37	U	37	54.4	220	ug/Kg
99-09-2	3-Nitroaniline	84	U	84	110	420	ug/Kg
83-32-9	Acenaphthene	33	U	33	54.4	220	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	110	420	ug/Kg
100-02-7	4-Nitrophenol	56	U	56	110	420	ug/Kg
132-64-9	Dibenzofuran	35	U	35	54.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	45	U	45	54.4	220	ug/Kg
84-66-2	Diethylphthalate	42	U	42	54.4	220	ug/Kg
86-73-7	Fluorene	35	U	35	54.4	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26	U	26	54.4	220	ug/Kg
100-01-6	4-Nitroaniline	31	U	31	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	49	U	49	110	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	31	U	31	54.4	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	44	U	44	54.4	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33	U	33	54.4	220	ug/Kg
118-74-1	Hexachlorobenzene	36	U	36	54.4	220	ug/Kg
1912-24-9	Atrazine	36	U	36	110	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	110	420	ug/Kg
85-01-8	Phenanthrene	35	U	35	54.4	220	ug/Kg
608-93-5	Pentachlorobenzene	47	U	47	54.4	220	ug/Kg
120-12-7	Anthracene	32	U	32	54.4	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	22	U	22	54.4	220	ug/Kg
86-74-8	Carbazole	44	U	44	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	35	U	35	54.4	220	ug/Kg
206-44-0	Fluoranthene	24	U	24	110	220	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N6	SDG No.:	BG080524
Lab Sample ID:	P3361-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.1
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
BG062245.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	23	U	23	54.4	220	ug/Kg
85-68-7	Butylbenzylphthalate	28	U	28	54.4	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67	U	67	110	420	ug/Kg
56-55-3	Benzo(a)anthracene	29	U	29	54.4	220	ug/Kg
218-01-9	Chrysene	31	U	31	54.4	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	32	U	32	54.4	220	ug/Kg
117-84-0	Di-n-octyl phthalate	61	U	61	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	54.4	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	49	U	49	54.4	220	ug/Kg
50-32-8	Benzo(a)pyrene	40	U	40	54.4	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	36	U	36	54.4	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33	U	33	54.4	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	54.4	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	54.4	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.948		15-120		74	SPK: -8
7291-22-7	Pyridine-d5	27.272		20-120		68	SPK: -40
4165-62-2	Phenol-d5	31.917		10-130		80	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.853		10-150		80	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.56		15-120		79	SPK: -40
190780-66-6	4-Methylphenol-d8	31.674		10-140		79	SPK: -40
4165-60-0	Nitrobenzene-d5	37.716		10-135		94	SPK: -40
93951-78-1	2-Nitrophenol-d4	39.781		10-120		99	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.809		10-140		80	SPK: -40
191656-33-4	4-Chloroaniline-d4	30.802		1-145		77	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.231		10-145		78	SPK: -40
93951-97-4	Acenaphthylene-d8	31.468		15-120		79	SPK: -40
93951-79-2	4-Nitrophenol-d4	29.822		10-150		75	SPK: -40
81103-79-9	Fluorene-d10	34.276		20-140		86	SPK: -40

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N6	SDG No.:	BG080524
Lab Sample ID:	P3361-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.1
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
BG062245.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.279		10-130		68	SPK: -40
1719-06-8	Anthracene-d10	31.133		10-150		78	SPK: -40
1718-52-1	Pyrene-d10	31.84		10-130		80	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.764		10-140		79	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62005	7.965				
1146-65-2	Naphthalene-d8	287552	10.761				
15067-26-2	Acenaphthene-d10	210394	14.586				
1517-22-2	Phenanthrene-d10	501563	17.323				
1719-03-5	Chrysene-d12	486372	21.564				
1520-96-3	Perylene-d12	572455	24.666				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	360	J			3.683	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	130	J			7.56	
000770-35-4	1-Phenoxypropan-2-ol	240	J			11.496	
	unknown-01	750	J			14.821	
001002-84-2	Pentadecanoic acid	150	J			18.234	
	(DEL) Alkane: Straight-Chain21.253	200	J			21.253	
E966796	Total Alkanes	200				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N8	SDG No.:	BG080524
Lab Sample ID:	P3361-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062246.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8.2	82	ug/Kg
100-52-7	Benzaldehyde	72	U	72	100	410	ug/Kg
110-86-1	Pyridine	95	U	95	200	410	ug/Kg
108-95-2	Phenol	37	U	37	100	410	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	36	U	36	100	410	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	52.5	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	49	U	49	100	410	ug/Kg
98-86-2	Acetophenone	82	U	82	100	410	ug/Kg
106-44-5	4-Methylphenol	65	U	65	100	410	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	98	U	98	52.5	210	ug/Kg
67-72-1	Hexachloroethane	75	U	75	52.5	210	ug/Kg
98-95-3	Nitrobenzene	79	U	79	52.5	210	ug/Kg
78-59-1	Isophorone	82	U	82	52.5	210	ug/Kg
88-75-5	2-Nitrophenol	74	U	74	52.5	210	ug/Kg
105-67-9	2,4-Dimethylphenol	40	U	40	52.5	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	56	U	56	52.5	210	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	52.5	210	ug/Kg
91-20-3	Naphthalene	30	U	30	52.5	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	52.5	410	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	52.5	210	ug/Kg
105-60-2	Caprolactam	79	U	79	100	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51	U	51	52.5	210	ug/Kg
90-12-0	1-Methylnaphthalene	30	U	30	52.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	40	U	40	52.5	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	30	U	30	52.5	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	41	U	41	52.5	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N8	SDG No.:	BG080524
Lab Sample ID:	P3361-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.3
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062246.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	52.5	210	ug/Kg
91-58-7	2-Chloronaphthalene	41	U	41	52.5	210	ug/Kg
88-74-4	2-Nitroaniline	56	U	56	52.5	210	ug/Kg
131-11-3	Dimethylphthalate	37	U	37	52.5	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	52.5	210	ug/Kg
208-96-8	Acenaphthylene	36	U	36	52.5	210	ug/Kg
99-09-2	3-Nitroaniline	82	U	82	100	410	ug/Kg
83-32-9	Acenaphthene	32	U	32	52.5	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	410	ug/Kg
100-02-7	4-Nitrophenol	54	U	54	100	410	ug/Kg
132-64-9	Dibenzofuran	33	U	33	52.5	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	52.5	210	ug/Kg
84-66-2	Diethylphthalate	41	U	41	52.5	210	ug/Kg
86-73-7	Fluorene	33	U	33	52.5	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	25	U	25	52.5	210	ug/Kg
100-01-6	4-Nitroaniline	30	U	30	100	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	47	U	47	100	410	ug/Kg
86-30-6	N-Nitrosodiphenylamine	30	U	30	52.5	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	42	U	42	52.5	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	52.5	210	ug/Kg
118-74-1	Hexachlorobenzene	35	U	35	52.5	210	ug/Kg
1912-24-9	Atrazine	35	U	35	100	410	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	410	ug/Kg
85-01-8	Phenanthrene	33	U	33	52.5	210	ug/Kg
608-93-5	Pentachlorobenzene	46	U	46	52.5	210	ug/Kg
120-12-7	Anthracene	31	U	31	52.5	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	52.5	210	ug/Kg
86-74-8	Carbazole	42	U	42	100	410	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	52.5	210	ug/Kg
206-44-0	Fluoranthene	23	U	23	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N8	SDG No.:	BG080524
Lab Sample ID:	P3361-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.3
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
BG062246.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	52.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	52.5	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64	U	64	100	410	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	52.5	210	ug/Kg
218-01-9	Chrysene	30	U	30	52.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	31	U	31	52.5	210	ug/Kg
117-84-0	Di-n-octyl phthalate	59	U	59	100	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	46	U	46	52.5	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	47	U	47	52.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	38	U	38	52.5	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35	U	35	52.5	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	U	32	52.5	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	52.5	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	52.5	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.019		15-120		63	SPK: -8
7291-22-7	Pyridine-d5	18.27		20-120		46	SPK: -40
4165-62-2	Phenol-d5	21.702		10-130		54	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.88		10-150		55	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.333		15-120		53	SPK: -40
190780-66-6	4-Methylphenol-d8	21.958		10-140		55	SPK: -40
4165-60-0	Nitrobenzene-d5	25.522		10-135		64	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.152		10-120		68	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.272		10-140		56	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.177		1-145		55	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.853		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	22.742		15-120		57	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.673		10-150		52	SPK: -40
81103-79-9	Fluorene-d10	24.94		20-140		62	SPK: -40

Report of Analysis

Client:		Date Collected:	7/24/2024 12:00:00 AM
Project:		Date Received:	7/24/2024 12:00:00 AM
Client Sample ID:	E20N8	SDG No.:	BG080524
Lab Sample ID:	P3361-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	19.3
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062246.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.05		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	23.51		10-150		59	SPK: -40
1718-52-1	Pyrene-d10	24.548		10-130		61	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.691		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56200	7.966				
1146-65-2	Naphthalene-d8	256768	10.762				
15067-26-2	Acenaphthene-d10	193732	14.586				
1517-22-2	Phenanthrene-d10	446818	17.324				
1719-03-5	Chrysene-d12	429582	21.565				
1520-96-3	Perylene-d12	504766	24.667				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	510	J			14.815	
000057-10-3	n-Hexadecanoic acid	140	J			18.234	
	(DEL) Alkane: Straight-Chain	21.254	J			21.254	
E966796	Total Alkanes	150				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P0	SDG No.:	BG080524
Lab Sample ID:	P3361-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.7
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062247.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	44	U	44	10.8	110	ug/Kg
100-52-7	Benzaldehyde	95	U	95	130	540	ug/Kg
110-86-1	Pyridine	130	U	130	270	540	ug/Kg
108-95-2	Phenol	49	U	49	130	540	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	47	U	47	130	540	ug/Kg
95-57-8	2-Chlorophenol	46	U	46	69.3	280	ug/Kg
95-48-7	2-Methylphenol	51	U	51	130	540	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	65	U	65	130	540	ug/Kg
98-86-2	Acetophenone	110	U	110	130	540	ug/Kg
106-44-5	4-Methylphenol	86	U	86	130	540	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	130	U	130	69.3	280	ug/Kg
67-72-1	Hexachloroethane	100	U	100	69.3	280	ug/Kg
98-95-3	Nitrobenzene	100	U	100	69.3	280	ug/Kg
78-59-1	Isophorone	110	U	110	69.3	280	ug/Kg
88-75-5	2-Nitrophenol	98	U	98	69.3	280	ug/Kg
105-67-9	2,4-Dimethylphenol	52	U	52	69.3	280	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	73	U	73	69.3	280	ug/Kg
120-83-2	2,4-Dichlorophenol	62	U	62	69.3	280	ug/Kg
91-20-3	Naphthalene	39	U	39	69.3	280	ug/Kg
106-47-8	4-Chloroaniline	59	U	59	69.3	540	ug/Kg
87-68-3	Hexachlorobutadiene	57	U	57	69.3	280	ug/Kg
105-60-2	Caprolactam	100	U	100	130	540	ug/Kg
59-50-7	4-Chloro-3-methylphenol	67	U	67	69.3	280	ug/Kg
90-12-0	1-Methylnaphthalene	39	U	39	69.3	280	ug/Kg
91-57-6	2-Methylnaphthalene	52	U	52	69.3	280	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	130	540	ug/Kg
88-06-2	2,4,6-Trichlorophenol	39	U	39	69.3	280	ug/Kg
95-95-4	2,4,5-Trichlorophenol	54	U	54	69.3	280	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P0	SDG No.:	BG080524
Lab Sample ID:	P3361-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.7
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
BG062247.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	42	U	42	69.3	280	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	69.3	280	ug/Kg
88-74-4	2-Nitroaniline	73	U	73	69.3	280	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	69.3	280	ug/Kg
606-20-2	2,6-Dinitrotoluene	33	U	33	69.3	280	ug/Kg
208-96-8	Acenaphthylene	47	U	47	69.3	280	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	130	540	ug/Kg
83-32-9	Acenaphthene	42	U	42	69.3	280	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	130	540	ug/Kg
100-02-7	4-Nitrophenol	72	U	72	130	540	ug/Kg
132-64-9	Dibenzofuran	44	U	44	69.3	280	ug/Kg
121-14-2	2,4-Dinitrotoluene	57	U	57	69.3	280	ug/Kg
84-66-2	Diethylphthalate	54	U	54	69.3	280	ug/Kg
86-73-7	Fluorene	44	U	44	69.3	280	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	33	U	33	69.3	280	ug/Kg
100-01-6	4-Nitroaniline	39	U	39	130	540	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62	U	62	130	540	ug/Kg
86-30-6	N-Nitrosodiphenylamine	39	U	39	69.3	280	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55	U	55	69.3	280	ug/Kg
101-55-3	4-Bromophenyl-phenylether	42	U	42	69.3	280	ug/Kg
118-74-1	Hexachlorobenzene	46	U	46	69.3	280	ug/Kg
1912-24-9	Atrazine	46	U	46	130	540	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	130	540	ug/Kg
85-01-8	Phenanthrene	44	U	44	69.3	280	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	69.3	280	ug/Kg
120-12-7	Anthracene	41	U	41	69.3	280	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	28	U	28	69.3	280	ug/Kg
86-74-8	Carbazole	55	U	55	130	540	ug/Kg
84-74-2	Di-n-butylphthalate	44	U	44	69.3	280	ug/Kg
206-44-0	Fluoranthene	31	U	31	130	280	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P0	SDG No.:	BG080524
Lab Sample ID:	P3361-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.7
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
BG062247.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	29	U	29	69.3	280	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	69.3	280	ug/Kg
91-94-1	3,3-Dichlorobenzidine	85	U	85	130	540	ug/Kg
56-55-3	Benzo(a)anthracene	38	U	38	69.3	280	ug/Kg
218-01-9	Chrysene	39	U	39	69.3	280	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	41	U	41	69.3	280	ug/Kg
117-84-0	Di-n-octyl phthalate	78	U	78	130	540	ug/Kg
205-99-2	Benzo(b)fluoranthene	60	U	60	69.3	280	ug/Kg
207-08-9	Benzo(k)fluoranthene	62	U	62	69.3	280	ug/Kg
50-32-8	Benzo(a)pyrene	51	U	51	69.3	280	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	46	U	46	69.3	280	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	42	U	42	69.3	280	ug/Kg
191-24-2	Benzo(g,h,i)perylene	52	U	52	69.3	280	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59	U	59	69.3	280	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.898		15-120		36	SPK: -8
7291-22-7	Pyridine-d5	10.981		20-120		27	SPK: -40
4165-62-2	Phenol-d5	16.375		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.363		10-150		41	SPK: -40
93951-73-6	2-Chlorophenol-d4	16.289		15-120		41	SPK: -40
190780-66-6	4-Methylphenol-d8	16.498		10-140		41	SPK: -40
4165-60-0	Nitrobenzene-d5	19.171		10-135		48	SPK: -40
93951-78-1	2-Nitrophenol-d4	19.639		10-120		49	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.211		10-140		43	SPK: -40
191656-33-4	4-Chloroaniline-d4	14.49		1-145		36	SPK: -40
85448-30-2	Dimethylphthalate-d6	16.139		10-145		40	SPK: -40
93951-97-4	Acenaphthylene-d8	16.25		15-120		41	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.729		10-150		32	SPK: -40
81103-79-9	Fluorene-d10	17.986		20-140		45	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P0	SDG No.:	BG080524
Lab Sample ID:	P3361-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38.7
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
BG062247.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	13.52		10-130		34	SPK: -40
1719-06-8	Anthracene-d10	17.604		10-150		44	SPK: -40
1718-52-1	Pyrene-d10	18.866		10-130		47	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.321		10-140		46	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67980	7.964				
1146-65-2	Naphthalene-d8	312336	10.76				
15067-26-2	Acenaphthene-d10	243553	14.585				
1517-22-2	Phenanthrene-d10	535279	17.322				
1719-03-5	Chrysene-d12	517397	21.569				
1520-96-3	Perylene-d12	605896	24.665				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	170	J			18.233	
	(DEL) Alkane: Cyclic21.252	550	J			21.252	
1000406-04-8	Pentadecafluorooctanoic acid, octa	420	J			22.415	
	(DEL) Alkane: Straight-Chain23.878	130	J			23.878	
000192-97-2	Benzo[e]pyrene	250	J			24.73	
000083-46-5	.beta.-Sitosterol	150	J			29.846	
1000513-01-4	Epilupeol; 20(29)-Lupen-3alpha-ol	1100	J			31.891	
E966796	Total Alkanes	680				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2	SDG No.:	BG080524
Lab Sample ID:	P3361-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30	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
BG062248.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8	80	ug/Kg
100-52-7	Benzaldehyde	70	U	70	99.5	400	ug/Kg
110-86-1	Pyridine	93	U	93	200	400	ug/Kg
108-95-2	Phenol	36	U	36	99.5	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	99.5	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.3	210	ug/Kg
95-48-7	2-Methylphenol	37	U	37	99.5	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	99.5	400	ug/Kg
98-86-2	Acetophenone	80	U	80	99.5	400	ug/Kg
106-44-5	4-Methylphenol	64	U	64	99.5	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	95	U	95	51.3	210	ug/Kg
67-72-1	Hexachloroethane	74	U	74	51.3	210	ug/Kg
98-95-3	Nitrobenzene	77	U	77	51.3	210	ug/Kg
78-59-1	Isophorone	80	U	80	51.3	210	ug/Kg
88-75-5	2-Nitrophenol	72	U	72	51.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	51.3	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	51.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51.3	210	ug/Kg
91-20-3	Naphthalene	29	U	29	51.3	210	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	51.3	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	51.3	210	ug/Kg
105-60-2	Caprolactam	77	U	77	99.5	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	51.3	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	51.3	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	99.5	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51.3	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2	SDG No.:	BG080524
Lab Sample ID:	P3361-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
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
BG062248.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	51.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51.3	210	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	51.3	210	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	51.3	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51.3	210	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51.3	210	ug/Kg
99-09-2	3-Nitroaniline	80	U	80	99.5	400	ug/Kg
83-32-9	Acenaphthene	31	U	31	51.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	99.5	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	99.5	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	51.3	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	51.3	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51.3	210	ug/Kg
86-73-7	Fluorene	33	U	33	51.3	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51.3	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	99.5	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	99.5	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51.3	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51.3	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	51.3	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51.3	210	ug/Kg
1912-24-9	Atrazine	34	U	34	99.5	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	99.5	400	ug/Kg
85-01-8	Phenanthrene	33	U	33	51.3	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	51.3	210	ug/Kg
120-12-7	Anthracene	30	U	30	51.3	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	51.3	210	ug/Kg
86-74-8	Carbazole	41	U	41	99.5	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	51.3	210	ug/Kg
206-44-0	Fluoranthene	66	J	23	99.5	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2	SDG No.:	BG080524
Lab Sample ID:	P3361-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
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
BG062248.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	52	J	22	51.3	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	51.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	99.5	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	51.3	210	ug/Kg
218-01-9	Chrysene	29	U	29	51.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	51.3	210	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	99.5	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	45	51.3	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	51.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	37	51.3	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	51.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	51.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	51.3	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	51.3	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.422		15-120		55	SPK: -8
7291-22-7	Pyridine-d5	18.369		20-120		46	SPK: -40
4165-62-2	Phenol-d5	26.041		10-130		65	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.226		10-150		63	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.588		15-120		64	SPK: -40
190780-66-6	4-Methylphenol-d8	26.005		10-140		65	SPK: -40
4165-60-0	Nitrobenzene-d5	30.137		10-135		75	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.263		10-120		83	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.898		10-140		67	SPK: -40
191656-33-4	4-Chloroaniline-d4	24.175		1-145		60	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.862		10-145		67	SPK: -40
93951-97-4	Acenaphthylene-d8	26.77		15-120		67	SPK: -40
93951-79-2	4-Nitrophenol-d4	24.769		10-150		62	SPK: -40
81103-79-9	Fluorene-d10	26.912		20-140		67	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2	SDG No.:	BG080524
Lab Sample ID:	P3361-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
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
BG062248.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	25.274		10-130		63	SPK: -40
1719-06-8	Anthracene-d10	27.471		10-150		69	SPK: -40
1718-52-1	Pyrene-d10	28.634		10-130		72	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.15		10-140		70	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66468	7.969				
1146-65-2	Naphthalene-d8	309794	10.759				
15067-26-2	Acenaphthene-d10	244838	14.583				
1517-22-2	Phenanthrene-d10	527334	17.326				
1719-03-5	Chrysene-d12	515984	21.568				
1520-96-3	Perylene-d12	596042	24.664				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	210	J			3.686	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	140	J			7.557	
000770-35-4	1-Phenoxypropan-2-ol	250	J			11.493	
	unknown-01	1600	J			14.824	
000057-10-3	n-Hexadecanoic acid	190	J			18.231	
	(DEL) Alkane: Straight-Chain21.250	210	J			21.25	
E966796	Total Alkanes	210				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MS	SDG No.:	BG080524
Lab Sample ID:	P3361-11MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062249.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	390		32	7.9	80	ug/Kg
100-52-7	Benzaldehyde	1300		70	99.3	400	ug/Kg
110-86-1	Pyridine	1000		93	200	400	ug/Kg
108-95-2	Phenol	1200		36	99.3	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1100		35	99.3	400	ug/Kg
95-57-8	2-Chlorophenol	1200		34	51.1	200	ug/Kg
95-48-7	2-Methylphenol	1200		37	99.3	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		48	99.3	400	ug/Kg
98-86-2	Acetophenone	1200		79	99.3	400	ug/Kg
106-44-5	4-Methylphenol	1200		64	99.3	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1200		95	51.1	200	ug/Kg
67-72-1	Hexachloroethane	1200		73	51.1	200	ug/Kg
98-95-3	Nitrobenzene	1300		77	51.1	200	ug/Kg
78-59-1	Isophorone	1100		79	51.1	200	ug/Kg
88-75-5	2-Nitrophenol	1400		72	51.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		39	51.1	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1100		54	51.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		46	51.1	200	ug/Kg
91-20-3	Naphthalene	1100		29	51.1	200	ug/Kg
106-47-8	4-Chloroaniline	950		43	51.1	400	ug/Kg
87-68-3	Hexachlorobutadiene	1100		42	51.1	200	ug/Kg
105-60-2	Caprolactam	1200		77	99.3	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		49	51.1	200	ug/Kg
90-12-0	1-Methylnaphthalene	1100		29	51.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	1200		39	51.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	960		120	99.3	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		29	51.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		40	51.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MS	SDG No.:	BG080524
Lab Sample ID:	P3361-11MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.07 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
BG062249.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1100		31	51.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	1100		40	51.1	200	ug/Kg
88-74-4	2-Nitroaniline	1400		54	51.1	200	ug/Kg
131-11-3	Dimethylphthalate	1100		36	51.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		24	51.1	200	ug/Kg
208-96-8	Acenaphthylene	1100		35	51.1	200	ug/Kg
99-09-2	3-Nitroaniline	1300		79	99.3	400	ug/Kg
83-32-9	Acenaphthene	1100		31	51.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		160	99.3	400	ug/Kg
100-02-7	4-Nitrophenol	1400		53	99.3	400	ug/Kg
132-64-9	Dibenzofuran	1100		32	51.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		42	51.1	200	ug/Kg
84-66-2	Diethylphthalate	1100		40	51.1	200	ug/Kg
86-73-7	Fluorene	1100		32	51.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		24	51.1	200	ug/Kg
100-01-6	4-Nitroaniline	1400		29	99.3	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		46	99.3	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1200		29	51.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		41	51.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		31	51.1	200	ug/Kg
118-74-1	Hexachlorobenzene	1100		34	51.1	200	ug/Kg
1912-24-9	Atrazine	1100		34	99.3	400	ug/Kg
87-86-5	Pentachlorophenol	1300		110	99.3	400	ug/Kg
85-01-8	Phenanthrene	1200		32	51.1	200	ug/Kg
608-93-5	Pentachlorobenzene	1100		45	51.1	200	ug/Kg
120-12-7	Anthracene	1100		30	51.1	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1100		20	51.1	200	ug/Kg
86-74-8	Carbazole	1200		41	99.3	400	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32	51.1	200	ug/Kg
206-44-0	Fluoranthene	1200		23	99.3	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MS	SDG No.:	BG080524
Lab Sample ID:	P3361-11MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.07	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
BG062249.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1200		22	51.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	1300		26	51.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		63	99.3	400	ug/Kg
56-55-3	Benzo(a)anthracene	1200		28	51.1	200	ug/Kg
218-01-9	Chrysene	1200		29	51.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		30	51.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		58	99.3	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		45	51.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		46	51.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	1100		37	51.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		34	51.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		31	51.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		39	51.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		43	51.1	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.274		15-120		53	SPK: -8
7291-22-7	Pyridine-d5	16.741		20-120		42	SPK: -40
4165-62-2	Phenol-d5	25.14		10-130		63	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.55		10-150		59	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.665		15-120		64	SPK: -40
190780-66-6	4-Methylphenol-d8	25.005		10-140		63	SPK: -40
4165-60-0	Nitrobenzene-d5	28.335		10-135		71	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.246		10-120		81	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.234		10-140		66	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.839		1-145		55	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.564		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	24.853		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.732		10-150		64	SPK: -40
81103-79-9	Fluorene-d10	24.481		20-140		61	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MS	SDG No.:	BG080524
Lab Sample ID:	P3361-11MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.07 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
BG062249.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	30.989		10-130		77	SPK: -40
1719-06-8	Anthracene-d10	24.823		10-150		62	SPK: -40
1718-52-1	Pyrene-d10	26.527		10-130		66	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.016		10-140		65	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66188	7.964				
1146-65-2	Naphthalene-d8	316922	10.76				
15067-26-2	Acenaphthene-d10	245426	14.584				
1517-22-2	Phenanthrene-d10	522366	17.328				
1719-03-5	Chrysene-d12	497353	21.569				
1520-96-3	Perylene-d12	572490	24.671				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MSD	SDG No.:	BG080524
Lab Sample ID:	P3361-12MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG062250.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	400		32	7.9	80	ug/Kg
100-52-7	Benzaldehyde	1300		70	99.2	400	ug/Kg
110-86-1	Pyridine	1000		93	200	400	ug/Kg
108-95-2	Phenol	1200		36	99.2	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1200		35	99.2	400	ug/Kg
95-57-8	2-Chlorophenol	1200		34	51.1	200	ug/Kg
95-48-7	2-Methylphenol	1200		37	99.2	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		48	99.2	400	ug/Kg
98-86-2	Acetophenone	1200		79	99.2	400	ug/Kg
106-44-5	4-Methylphenol	1200		64	99.2	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1200		95	51.1	200	ug/Kg
67-72-1	Hexachloroethane	1200		73	51.1	200	ug/Kg
98-95-3	Nitrobenzene	1300		77	51.1	200	ug/Kg
78-59-1	Isophorone	1100		79	51.1	200	ug/Kg
88-75-5	2-Nitrophenol	1500		72	51.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		38	51.1	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1200		54	51.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		46	51.1	200	ug/Kg
91-20-3	Naphthalene	1200		29	51.1	200	ug/Kg
106-47-8	4-Chloroaniline	980		43	51.1	400	ug/Kg
87-68-3	Hexachlorobutadiene	1100		42	51.1	200	ug/Kg
105-60-2	Caprolactam	1200		77	99.2	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		49	51.1	200	ug/Kg
90-12-0	1-Methylnaphthalene	1100		29	51.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	1200		38	51.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		120	99.2	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		29	51.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		40	51.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MSD	SDG No.:	BG080524
Lab Sample ID:	P3361-12MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG062250.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1200		31	51.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	1200		40	51.1	200	ug/Kg
88-74-4	2-Nitroaniline	1500		54	51.1	200	ug/Kg
131-11-3	Dimethylphthalate	1200		36	51.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		24	51.1	200	ug/Kg
208-96-8	Acenaphthylene	1200		35	51.1	200	ug/Kg
99-09-2	3-Nitroaniline	1400		79	99.2	400	ug/Kg
83-32-9	Acenaphthene	1200		31	51.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		160	99.2	400	ug/Kg
100-02-7	4-Nitrophenol	1400		53	99.2	400	ug/Kg
132-64-9	Dibenzofuran	1200		32	51.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		42	51.1	200	ug/Kg
84-66-2	Diethylphthalate	1100		40	51.1	200	ug/Kg
86-73-7	Fluorene	1100		32	51.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		24	51.1	200	ug/Kg
100-01-6	4-Nitroaniline	1500		29	99.2	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		46	99.2	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1200		29	51.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		41	51.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		31	51.1	200	ug/Kg
118-74-1	Hexachlorobenzene	1200		34	51.1	200	ug/Kg
1912-24-9	Atrazine	1100		34	99.2	400	ug/Kg
87-86-5	Pentachlorophenol	1400		110	99.2	400	ug/Kg
85-01-8	Phenanthrene	1200		32	51.1	200	ug/Kg
608-93-5	Pentachlorobenzene	1200		44	51.1	200	ug/Kg
120-12-7	Anthracene	1200		30	51.1	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1200		20	51.1	200	ug/Kg
86-74-8	Carbazole	1200		41	99.2	400	ug/Kg
84-74-2	Di-n-butylphthalate	1300		32	51.1	200	ug/Kg
206-44-0	Fluoranthene	1300		23	99.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MSD	SDG No.:	BG080524
Lab Sample ID:	P3361-12MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG062250.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1200		22	51.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	1300		26	51.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		63	99.2	400	ug/Kg
56-55-3	Benzo(a)anthracene	1200		28	51.1	200	ug/Kg
218-01-9	Chrysene	1200		29	51.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		30	51.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		58	99.2	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		44	51.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		46	51.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	1200		37	51.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		34	51.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		31	51.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		38	51.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		43	51.1	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.202		15-120		53	SPK: -8
7291-22-7	Pyridine-d5	17.129		20-120		43	SPK: -40
4165-62-2	Phenol-d5	25.029		10-130		63	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	24.1		10-150		60	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.012		15-120		65	SPK: -40
190780-66-6	4-Methylphenol-d8	25.038		10-140		63	SPK: -40
4165-60-0	Nitrobenzene-d5	29.974		10-135		75	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.074		10-120		83	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.806		10-140		67	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.294		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.68		10-145		64	SPK: -40
93951-97-4	Acenaphthylene-d8	26.018		15-120		65	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.413		10-150		69	SPK: -40
81103-79-9	Fluorene-d10	25.624		20-140		64	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P2MSD	SDG No.:	BG080524
Lab Sample ID:	P3361-12MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG062250.D	1	7/26/2024 12:00:00 AM	8/5/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	32.353		10-130		81	SPK: -40
1719-06-8	Anthracene-d10	26.118		10-150		65	SPK: -40
1718-52-1	Pyrene-d10	27.097		10-130		68	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.806		10-140		67	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	64124	7.965				
1146-65-2	Naphthalene-d8	305946	10.761				
15067-26-2	Acenaphthene-d10	230101	14.585				
1517-22-2	Phenanthrene-d10	503217	17.329				
1719-03-5	Chrysene-d12	480894	21.57				
1520-96-3	Perylene-d12	559680	24.666				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P3	SDG No.:	BG080524
Lab Sample ID:	P3361-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
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
BG062251.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32	U	32	7.7	78	ug/Kg
100-52-7	Benzaldehyde	68	U	68	96.5	390	ug/Kg
110-86-1	Pyridine	90	U	90	190	390	ug/Kg
108-95-2	Phenol	35	U	35	96.5	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	96.5	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	49.7	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	96.5	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	47	U	47	96.5	390	ug/Kg
98-86-2	Acetophenone	77	U	77	96.5	390	ug/Kg
106-44-5	4-Methylphenol	62	U	62	96.5	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	92	U	92	49.7	200	ug/Kg
67-72-1	Hexachloroethane	71	U	71	49.7	200	ug/Kg
98-95-3	Nitrobenzene	75	U	75	49.7	200	ug/Kg
78-59-1	Isophorone	77	U	77	49.7	200	ug/Kg
88-75-5	2-Nitrophenol	70	U	70	49.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	37	U	37	49.7	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	53	U	53	49.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	49.7	200	ug/Kg
91-20-3	Naphthalene	28	U	28	49.7	200	ug/Kg
106-47-8	4-Chloroaniline	42	U	42	49.7	390	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	49.7	200	ug/Kg
105-60-2	Caprolactam	75	U	75	96.5	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48	U	48	49.7	200	ug/Kg
90-12-0	1-Methylnaphthalene	28	U	28	49.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	49.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	96.5	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	28	U	28	49.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39	U	39	49.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P3	SDG No.:	BG080524
Lab Sample ID:	P3361-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
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
BG062251.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	30	U	30	49.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	39	U	39	49.7	200	ug/Kg
88-74-4	2-Nitroaniline	53	U	53	49.7	200	ug/Kg
131-11-3	Dimethylphthalate	35	U	35	49.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	49.7	200	ug/Kg
208-96-8	Acenaphthylene	34	U	34	49.7	200	ug/Kg
99-09-2	3-Nitroaniline	77	U	77	96.5	390	ug/Kg
83-32-9	Acenaphthene	30	U	30	49.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	96.5	390	ug/Kg
100-02-7	4-Nitrophenol	51	U	51	96.5	390	ug/Kg
132-64-9	Dibenzofuran	32	U	32	49.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	41	U	41	49.7	200	ug/Kg
84-66-2	Diethylphthalate	39	U	39	49.7	200	ug/Kg
86-73-7	Fluorene	32	U	32	49.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	23	U	23	49.7	200	ug/Kg
100-01-6	4-Nitroaniline	28	U	28	96.5	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	44	U	44	96.5	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	28	U	28	49.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	40	U	40	49.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30	U	30	49.7	200	ug/Kg
118-74-1	Hexachlorobenzene	33	U	33	49.7	200	ug/Kg
1912-24-9	Atrazine	33	U	33	96.5	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	96.5	390	ug/Kg
85-01-8	Phenanthrene	32	U	32	49.7	200	ug/Kg
608-93-5	Pentachlorobenzene	43	U	43	49.7	200	ug/Kg
120-12-7	Anthracene	29	U	29	49.7	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	49.7	200	ug/Kg
86-74-8	Carbazole	40	U	40	96.5	390	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	32	49.7	200	ug/Kg
206-44-0	Fluoranthene	22	U	22	96.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P3	SDG No.:	BG080524
Lab Sample ID:	P3361-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062251.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	21	U	21	49.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	26	49.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61	U	61	96.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	27	U	27	49.7	200	ug/Kg
218-01-9	Chrysene	28	U	28	49.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	29	U	29	49.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	56	U	56	96.5	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	43	U	43	49.7	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	44	U	44	49.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	36	U	36	49.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33	U	33	49.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30	U	30	49.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37	U	37	49.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	49.7	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.029		15-120		38	SPK: -8
7291-22-7	Pyridine-d5	14.147		20-120		35	SPK: -40
4165-62-2	Phenol-d5	16.451		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.658		10-150		42	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.133		15-120		43	SPK: -40
190780-66-6	4-Methylphenol-d8	17.109		10-140		43	SPK: -40
4165-60-0	Nitrobenzene-d5	20.132		10-135		50	SPK: -40
93951-78-1	2-Nitrophenol-d4	21.938		10-120		55	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.217		10-140		43	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.614		1-145		44	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.262		10-145		46	SPK: -40
93951-97-4	Acenaphthylene-d8	18.178		15-120		45	SPK: -40
93951-79-2	4-Nitrophenol-d4	16.704		10-150		42	SPK: -40
81103-79-9	Fluorene-d10	18.52		20-140		46	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P3	SDG No.:	BG080524
Lab Sample ID:	P3361-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.8
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
BG062251.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.867		10-130		37	SPK: -40
1719-06-8	Anthracene-d10	18.721		10-150		47	SPK: -40
1718-52-1	Pyrene-d10	19.242		10-130		48	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.991		10-140		47	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63276	7.964				
1146-65-2	Naphthalene-d8	294666	10.76				
15067-26-2	Acenaphthene-d10	231823	14.584				
1517-22-2	Phenanthrene-d10	519114	17.322				
1719-03-5	Chrysene-d12	502067	21.563				
1520-96-3	Perylene-d12	580270	24.659				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	180	J			3.687	
000770-35-4	1-Phenoxypropan-2-ol	130	J			11.494	
000057-10-3	n-Hexadecanoic acid	86	J			18.227	
077899-03-7	1-Heneicosyl formate	95	J			21.252	
E966796	Total Alkanes	30	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P4	SDG No.:	BG080524
Lab Sample ID:	P3361-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.6
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
BG062252.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32	U	32	7.9	80	ug/Kg
100-52-7	Benzaldehyde	70	U	70	98.9	400	ug/Kg
110-86-1	Pyridine	92	U	92	200	400	ug/Kg
108-95-2	Phenol	36	U	36	98.9	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	98.9	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51	200	ug/Kg
95-48-7	2-Methylphenol	37	U	37	98.9	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	98.9	400	ug/Kg
98-86-2	Acetophenone	79	U	79	98.9	400	ug/Kg
106-44-5	4-Methylphenol	64	U	64	98.9	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	95	U	95	51	200	ug/Kg
67-72-1	Hexachloroethane	73	U	73	51	200	ug/Kg
98-95-3	Nitrobenzene	77	U	77	51	200	ug/Kg
78-59-1	Isophorone	79	U	79	51	200	ug/Kg
88-75-5	2-Nitrophenol	72	U	72	51	200	ug/Kg
105-67-9	2,4-Dimethylphenol	38	U	38	51	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	51	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51	200	ug/Kg
91-20-3	Naphthalene	29	U	29	51	200	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	51	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	51	200	ug/Kg
105-60-2	Caprolactam	77	U	77	98.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	51	200	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51	200	ug/Kg
91-57-6	2-Methylnaphthalene	38	U	38	51	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	98.9	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P4	SDG No.:	BG080524
Lab Sample ID:	P3361-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.6
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
BG062252.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	51	200	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51	200	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	51	200	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	51	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51	200	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51	200	ug/Kg
99-09-2	3-Nitroaniline	79	U	79	98.9	400	ug/Kg
83-32-9	Acenaphthene	31	U	31	51	200	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	98.9	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	98.9	400	ug/Kg
132-64-9	Dibenzofuran	32	U	32	51	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	51	200	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51	200	ug/Kg
86-73-7	Fluorene	32	U	32	51	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51	200	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	98.9	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	98.9	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	51	200	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51	200	ug/Kg
1912-24-9	Atrazine	34	U	34	98.9	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	98.9	400	ug/Kg
85-01-8	Phenanthrene	32	U	32	51	200	ug/Kg
608-93-5	Pentachlorobenzene	44	U	44	51	200	ug/Kg
120-12-7	Anthracene	30	U	30	51	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	51	200	ug/Kg
86-74-8	Carbazole	41	U	41	98.9	400	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	32	51	200	ug/Kg
206-44-0	Fluoranthene	23	U	23	98.9	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P4	SDG No.:	BG080524
Lab Sample ID:	P3361-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.6
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062252.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	51	200	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	26	51	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62	U	62	98.9	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	51	200	ug/Kg
218-01-9	Chrysene	29	U	29	51	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	51	200	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	98.9	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	U	44	51	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	51	200	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	37	51	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	51	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	51	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	38	U	38	51	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	51	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.511		15-120		56	SPK: -8
7291-22-7	Pyridine-d5	22.598		20-120		56	SPK: -40
4165-62-2	Phenol-d5	26.353		10-130		66	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.646		10-150		67	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.368		15-120		68	SPK: -40
190780-66-6	4-Methylphenol-d8	26.751		10-140		67	SPK: -40
4165-60-0	Nitrobenzene-d5	30.253		10-135		76	SPK: -40
93951-78-1	2-Nitrophenol-d4	34.026		10-120		85	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.376		10-140		66	SPK: -40
191656-33-4	4-Chloroaniline-d4	26.082		1-145		65	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.841		10-145		67	SPK: -40
93951-97-4	Acenaphthylene-d8	26.904		15-120		67	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.586		10-150		64	SPK: -40
81103-79-9	Fluorene-d10	27.403		20-140		69	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P4	SDG No.:	BG080524
Lab Sample ID:	P3361-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.6
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
BG062252.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.176		10-130		60	SPK: -40
1719-06-8	Anthracene-d10	27.354		10-150		68	SPK: -40
1718-52-1	Pyrene-d10	27.535		10-130		69	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.961		10-140		70	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55337	7.964				
1146-65-2	Naphthalene-d8	262774	10.76				
15067-26-2	Acenaphthene-d10	203157	14.584				
1517-22-2	Phenanthrene-d10	461486	17.322				
1719-03-5	Chrysene-d12	454830	21.563				
1520-96-3	Perylene-d12	526504	24.659				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	170	J			3.682	
000770-35-4	1-Phenoxypropan-2-ol	120	J			11.495	
000057-10-3	n-Hexadecanoic acid	180	J			18.232	
015594-90-8	1-Heneicosanol	150	J			21.252	
E966796	Total Alkanes	31	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P7	SDG No.:	BG080524
Lab Sample ID:	P3361-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062253.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32	U	32	7.9	80	ug/Kg
100-52-7	Benzaldehyde	69	U	69	98.8	400	ug/Kg
110-86-1	Pyridine	92	U	92	200	400	ug/Kg
108-95-2	Phenol	36	U	36	98.8	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	98.8	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	50.9	200	ug/Kg
95-48-7	2-Methylphenol	37	U	37	98.8	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	98.8	400	ug/Kg
98-86-2	Acetophenone	79	U	79	98.8	400	ug/Kg
106-44-5	4-Methylphenol	63	U	63	98.8	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	95	U	95	50.9	200	ug/Kg
67-72-1	Hexachloroethane	73	U	73	50.9	200	ug/Kg
98-95-3	Nitrobenzene	77	U	77	50.9	200	ug/Kg
78-59-1	Isophorone	79	U	79	50.9	200	ug/Kg
88-75-5	2-Nitrophenol	72	U	72	50.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	38	U	38	50.9	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	50.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50.9	200	ug/Kg
91-20-3	Naphthalene	29	U	29	50.9	200	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	50.9	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	50.9	200	ug/Kg
105-60-2	Caprolactam	77	U	77	98.8	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	50.9	200	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	50.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	38	U	38	50.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	98.8	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	50.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	50.9	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P7	SDG No.:	BG080524
Lab Sample ID:	P3361-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062253.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	50.9	200	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	50.9	200	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	50.9	200	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	50.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	50.9	200	ug/Kg
208-96-8	Acenaphthylene	35	U	35	50.9	200	ug/Kg
99-09-2	3-Nitroaniline	79	U	79	98.8	400	ug/Kg
83-32-9	Acenaphthene	31	U	31	50.9	200	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	98.8	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	98.8	400	ug/Kg
132-64-9	Dibenzofuran	32	U	32	50.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	50.9	200	ug/Kg
84-66-2	Diethylphthalate	40	U	40	50.9	200	ug/Kg
86-73-7	Fluorene	32	U	32	50.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	50.9	200	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	98.8	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	98.8	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	50.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	50.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	50.9	200	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	50.9	200	ug/Kg
1912-24-9	Atrazine	34	U	34	98.8	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	98.8	400	ug/Kg
85-01-8	Phenanthrene	32	U	32	50.9	200	ug/Kg
608-93-5	Pentachlorobenzene	44	U	44	50.9	200	ug/Kg
120-12-7	Anthracene	30	U	30	50.9	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	50.9	200	ug/Kg
86-74-8	Carbazole	41	U	41	98.8	400	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	32	50.9	200	ug/Kg
206-44-0	Fluoranthene	23	U	23	98.8	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P7	SDG No.:	BG080524
Lab Sample ID:	P3361-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062253.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	50.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	26	50.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62	U	62	98.8	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	50.9	200	ug/Kg
218-01-9	Chrysene	29	U	29	50.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	50.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	98.8	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	U	44	50.9	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	50.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	37	50.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	50.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	50.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	38	U	38	50.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	50.9	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.681		15-120		46	SPK: -8
7291-22-7	Pyridine-d5	19.044		20-120		48	SPK: -40
4165-62-2	Phenol-d5	21.134		10-130		53	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.954		10-150		55	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.94		15-120		55	SPK: -40
190780-66-6	4-Methylphenol-d8	22.995		10-140		57	SPK: -40
4165-60-0	Nitrobenzene-d5	23.874		10-135		60	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.805		10-120		70	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.626		10-140		54	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.307		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.412		10-145		56	SPK: -40
93951-97-4	Acenaphthylene-d8	22.367		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.008		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	22.767		20-140		57	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P7	SDG No.:	BG080524
Lab Sample ID:	P3361-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062253.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.975		10-130		45	SPK: -40
1719-06-8	Anthracene-d10	23.565		10-150		59	SPK: -40
1718-52-1	Pyrene-d10	23.776		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.421		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	63205	7.967				
1146-65-2	Naphthalene-d8	311619	10.757				
15067-26-2	Acenaphthene-d10	247822	14.581				
1517-22-2	Phenanthrene-d10	543498	17.325				
1719-03-5	Chrysene-d12	528898	21.566				
1520-96-3	Perylene-d12	620693	24.662				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	170	J			3.684	
000770-35-4	1-Phenoxypropan-2-ol	190	J			11.492	
000057-10-3	n-Hexadecanoic acid	110	J			18.23	
	(DEL) Alkane: Straight-Chain	120	J			21.249	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P9	SDG No.:	BG080524
Lab Sample ID:	P3361-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.4
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
BG062254.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	34	U	34	8.4	85	ug/Kg
100-52-7	Benzaldehyde	74	U	74	100	420	ug/Kg
110-86-1	Pyridine	98	U	98	210	420	ug/Kg
108-95-2	Phenol	38	U	38	100	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	37	U	37	100	420	ug/Kg
95-57-8	2-Chlorophenol	36	U	36	54.1	220	ug/Kg
95-48-7	2-Methylphenol	39	U	39	100	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	51	U	51	100	420	ug/Kg
98-86-2	Acetophenone	84	U	84	100	420	ug/Kg
106-44-5	4-Methylphenol	67	U	67	100	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	100	U	100	54.1	220	ug/Kg
67-72-1	Hexachloroethane	78	U	78	54.1	220	ug/Kg
98-95-3	Nitrobenzene	81	U	81	54.1	220	ug/Kg
78-59-1	Isophorone	84	U	84	54.1	220	ug/Kg
88-75-5	2-Nitrophenol	76	U	76	54.1	220	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	54.1	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	57	U	57	54.1	220	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	54.1	220	ug/Kg
91-20-3	Naphthalene	31	U	31	54.1	220	ug/Kg
106-47-8	4-Chloroaniline	46	U	46	54.1	420	ug/Kg
87-68-3	Hexachlorobutadiene	45	U	45	54.1	220	ug/Kg
105-60-2	Caprolactam	81	U	81	100	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	54.1	220	ug/Kg
90-12-0	1-Methylnaphthalene	31	U	31	54.1	220	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	54.1	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31	U	31	54.1	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	54.1	220	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P9	SDG No.:	BG080524
Lab Sample ID:	P3361-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.4
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
BG062254.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	33	U	33	54.1	220	ug/Kg
91-58-7	2-Chloronaphthalene	42	U	42	54.1	220	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	54.1	220	ug/Kg
131-11-3	Dimethylphthalate	38	U	38	54.1	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	54.1	220	ug/Kg
208-96-8	Acenaphthylene	37	U	37	54.1	220	ug/Kg
99-09-2	3-Nitroaniline	84	U	84	100	420	ug/Kg
83-32-9	Acenaphthene	33	U	33	54.1	220	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	100	420	ug/Kg
100-02-7	4-Nitrophenol	56	U	56	100	420	ug/Kg
132-64-9	Dibenzofuran	34	U	34	54.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	45	U	45	54.1	220	ug/Kg
84-66-2	Diethylphthalate	42	U	42	54.1	220	ug/Kg
86-73-7	Fluorene	34	U	34	54.1	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	25	U	25	54.1	220	ug/Kg
100-01-6	4-Nitroaniline	31	U	31	100	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	48	U	48	100	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	31	U	31	54.1	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	43	U	43	54.1	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33	U	33	54.1	220	ug/Kg
118-74-1	Hexachlorobenzene	36	U	36	54.1	220	ug/Kg
1912-24-9	Atrazine	36	U	36	100	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	420	ug/Kg
85-01-8	Phenanthrene	34	U	34	54.1	220	ug/Kg
608-93-5	Pentachlorobenzene	47	U	47	54.1	220	ug/Kg
120-12-7	Anthracene	32	U	32	54.1	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	22	U	22	54.1	220	ug/Kg
86-74-8	Carbazole	43	U	43	100	420	ug/Kg
84-74-2	Di-n-butylphthalate	34	U	34	54.1	220	ug/Kg
206-44-0	Fluoranthene	24	U	24	100	220	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P9	SDG No.:	BG080524
Lab Sample ID:	P3361-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.4
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
BG062254.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	23	U	23	54.1	220	ug/Kg
85-68-7	Butylbenzylphthalate	28	U	28	54.1	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66	U	66	100	420	ug/Kg
56-55-3	Benzo(a)anthracene	29	U	29	54.1	220	ug/Kg
218-01-9	Chrysene	31	U	31	54.1	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	32	U	32	54.1	220	ug/Kg
117-84-0	Di-n-octyl phthalate	61	U	61	100	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	54.1	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	48	U	48	54.1	220	ug/Kg
50-32-8	Benzo(a)pyrene	39	U	39	54.1	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	36	U	36	54.1	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33	U	33	54.1	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	54.1	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	54.1	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.682		15-120		46	SPK: -8
7291-22-7	Pyridine-d5	17.517		20-120		44	SPK: -40
4165-62-2	Phenol-d5	19.598		10-130		49	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.237		10-150		48	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.964		15-120		50	SPK: -40
190780-66-6	4-Methylphenol-d8	20.177		10-140		50	SPK: -40
4165-60-0	Nitrobenzene-d5	21.923		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.014		10-120		63	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.025		10-140		50	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.476		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	20.507		10-145		51	SPK: -40
93951-97-4	Acenaphthylene-d8	20.29		15-120		51	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.024		10-150		45	SPK: -40
81103-79-9	Fluorene-d10	20.699		20-140		52	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P9	SDG No.:	BG080524
Lab Sample ID:	P3361-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.4
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
BG062254.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.163		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	21.371		10-150		53	SPK: -40
1718-52-1	Pyrene-d10	21.644		10-130		54	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.357		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	66968	7.964				
1146-65-2	Naphthalene-d8	313452	10.76				
15067-26-2	Acenaphthene-d10	248236	14.584				
1517-22-2	Phenanthrene-d10	548671	17.322				
1719-03-5	Chrysene-d12	530781	21.563				
1520-96-3	Perylene-d12	616410	24.659				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	160	J			3.681	
000770-35-4	1-Phenoxypropan-2-ol	160	J			11.494	
000057-10-3	n-Hexadecanoic acid	100	J			18.226	
015594-90-8	1-Heneicosanol	140	J			21.252	
E966796	Total Alkanes	33	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/31/2024 12:00:00 AM
Project:		Date Received:	7/31/2024 12:00:00 AM
Client Sample ID:	SBLK406	SDG No.:	BG080524
Lab Sample ID:	PB162406BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062256.D	1	7/31/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162406

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0.5	2	ug/L
100-52-7	Benzaldehyde	2.3	U	2.3	5	10	ug/L
110-86-1	Pyridine	2.2	U	2.2	10	10	ug/L
108-95-2	Phenol	1.5	U	1.5	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.3	U	1.3	5	10	ug/L
95-57-8	2-Chlorophenol	1.2	U	1.2	2.5	5	ug/L
95-48-7	2-Methylphenol	0.82	U	0.82	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.2	U	1.2	5	10	ug/L
98-86-2	Acetophenone	0.89	U	0.89	5	10	ug/L
106-44-5	4-Methylphenol	1.2	U	1.2	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	5	ug/L
67-72-1	Hexachloroethane	1.5	U	1.5	2.5	5	ug/L
98-95-3	Nitrobenzene	0.99	U	0.99	2.5	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.2	U	1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.1	U	1.1	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.2	U	1.2	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.93	U	0.93	2.5	5	ug/L
91-20-3	Naphthalene	0.7	U	0.7	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.8	U	1.8	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.9	U	2.9	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	2	U	2	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1	U	1	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.6	U	1.6	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.1	U	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.81	U	0.81	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.8	U	0.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	7/31/2024 12:00:00 AM
Project:		Date Received:	7/31/2024 12:00:00 AM
Client Sample ID:	SBLK406	SDG No.:	BG080524
Lab Sample ID:	PB162406BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062256.D	1	7/31/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162406

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	0.99	U	0.99	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.1	U	1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.7	U	1.7	2.5	5	ug/L
131-11-3	Dimethylphthalate	1.3	U	1.3	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	2.5	5	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	2.5	5	ug/L
99-09-2	3-Nitroaniline	1.5	U	1.5	5	10	ug/L
83-32-9	Acenaphthene	1.1	U	1.1	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2.8	U	2.8	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.87	U	0.87	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	0.87	U	0.87	2.5	5	ug/L
86-73-7	Fluorene	0.87	U	0.87	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.96	U	0.96	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.2	U	1.2	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	1.2	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.71	U	0.71	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.9	U	0.9	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.4	U	1.4	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.56	U	0.56	2.5	5	ug/L
1912-24-9	Atrazine	0.96	U	0.96	5	10	ug/L
87-86-5	Pentachlorophenol	2.5	U	2.5	5	10	ug/L
85-01-8	Phenanthrene	0.97	U	0.97	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.2	U	1.2	2.5	5	ug/L
120-12-7	Anthracene	0.72	U	0.72	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	0.92	U	0.92	2.5	5	ug/L
86-74-8	Carbazole	1	U	1	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.81	U	0.81	2.5	5	ug/L
206-44-0	Fluoranthene	0.65	U	0.65	5	5	ug/L

Report of Analysis

Client:		Date Collected:	7/31/2024 12:00:00 AM
Project:		Date Received:	7/31/2024 12:00:00 AM
Client Sample ID:	SBLK406	SDG No.:	BG080524
Lab Sample ID:	PB162406BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062256.D	1	7/31/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162406

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	0.53	U	0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.97	U	0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.7	U	1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.56	U	0.56	2.5	5	ug/L
218-01-9	Chrysene	0.75	U	0.75	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.87	U	0.87	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	1.5	U	1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.1	U	1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.1	U	1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	1	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.284		15-120		54	SPK: -8
7291-22-7	Pyridine-d5	21.895		20-120		55	SPK: -40
4165-62-2	Phenol-d5	26.067		10-130		65	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.204		25-120		68	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.196		20-130		65	SPK: -40
190780-66-6	4-Methylphenol-d8	25.852		25-125		65	SPK: -40
4165-60-0	Nitrobenzene-d5	31.133		20-125		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	36.717		20-130		92	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.414		20-120		64	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.532		1-146		64	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.527		25-130		61	SPK: -40
93951-97-4	Acenaphthylene-d8	24.443		10-130		61	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.604		10-150		69	SPK: -40
81103-79-9	Fluorene-d10	24.639		25-125		62	SPK: -40

Report of Analysis

Client:		Date Collected:	7/31/2024 12:00:00 AM
Project:		Date Received:	7/31/2024 12:00:00 AM
Client Sample ID:	SBLK406	SDG No.:	BG080524
Lab Sample ID:	PB162406BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062256.D	1	7/31/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162406

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	32.113		10-130		80	SPK: -40
1719-06-8	Anthracene-d10	23.203		25-130		58	SPK: -40
1718-52-1	Pyrene-d10	25.368		15-130		63	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	25.238		20-130		63	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141601	7.963				
1146-65-2	Naphthalene-d8	701859	10.759				
15067-26-2	Acenaphthene-d10	550584	14.584				
1517-22-2	Phenanthrene-d10	1193376	17.327				
1719-03-5	Chrysene-d12	1156934	21.568				
1520-96-3	Perylene-d12	1368851	24.67				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q0	SDG No.:	BG080524
Lab Sample ID:	P3361-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.9
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
BG062257.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8	81	ug/Kg
110-86-1	Pyridine	93	U	93	200	400	ug/Kg
100-52-7	Benzaldehyde	70	U	70	100	400	ug/Kg
108-95-2	Phenol	36	U	36	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.6	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	49	U	49	100	400	ug/Kg
98-86-2	Acetophenone	80	U	80	100	400	ug/Kg
106-44-5	4-Methylphenol	64	U	64	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	96	U	96	51.6	210	ug/Kg
67-72-1	Hexachloroethane	74	U	74	51.6	210	ug/Kg
98-95-3	Nitrobenzene	78	U	78	51.6	210	ug/Kg
78-59-1	Isophorone	80	U	80	51.6	210	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	51.6	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	51.6	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	51.6	210	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51.6	210	ug/Kg
91-20-3	Naphthalene	29	U	29	51.6	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	51.6	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	51.6	210	ug/Kg
105-60-2	Caprolactam	78	U	78	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	51.6	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	51.6	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51.6	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51.6	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q0	SDG No.:	BG080524
Lab Sample ID:	P3361-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.9
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
BG062257.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	51.6	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51.6	210	ug/Kg
88-74-4	2-Nitroaniline	55	U	55	51.6	210	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	51.6	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51.6	210	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51.6	210	ug/Kg
99-09-2	3-Nitroaniline	80	U	80	100	400	ug/Kg
83-32-9	Acenaphthene	32	U	32	51.6	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	100	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	51.6	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	51.6	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51.6	210	ug/Kg
86-73-7	Fluorene	33	U	33	51.6	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51.6	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51.6	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51.6	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	51.6	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51.6	210	ug/Kg
1912-24-9	Atrazine	34	U	34	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	33	U	33	51.6	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	51.6	210	ug/Kg
120-12-7	Anthracene	30	U	30	51.6	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	51.6	210	ug/Kg
86-74-8	Carbazole	41	U	41	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	51.6	210	ug/Kg
206-44-0	Fluoranthene	23	U	23	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q0	SDG No.:	BG080524
Lab Sample ID:	P3361-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.9
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
BG062257.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	51.6	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	51.6	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	51.6	210	ug/Kg
218-01-9	Chrysene	29	U	29	51.6	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	51.6	210	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	45	U	45	51.6	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	51.6	210	ug/Kg
50-32-8	Benzo(a)pyrene	38	U	38	51.6	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	51.6	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	U	32	51.6	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	51.6	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51.6	210	ug/Kg
SURROGATES							
7291-22-7	Pyridine-d5	16.802		20-120		42	SPK: -40
17647-74-4	1,4-Dioxane-d8	3.314		15-120		41	SPK: -8
4165-62-2	Phenol-d5	18.147		10-130		45	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.673		10-150		47	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.069		15-120		48	SPK: -40
190780-66-6	4-Methylphenol-d8	18.757		10-140		47	SPK: -40
4165-60-0	Nitrobenzene-d5	21.856		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.534		10-120		59	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.791		10-140		47	SPK: -40
191656-33-4	4-Chloroaniline-d4	18.578		1-145		46	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.335		10-145		46	SPK: -40
93951-97-4	Acenaphthylene-d8	18.593		15-120		46	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.309		10-150		38	SPK: -40
81103-79-9	Fluorene-d10	18.63		20-140		47	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q0	SDG No.:	BG080524
Lab Sample ID:	P3361-20	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.9
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
BG062257.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.623		10-130		37	SPK: -40
1719-06-8	Anthracene-d10	18.495		10-150		46	SPK: -40
1718-52-1	Pyrene-d10	18.969		10-130		47	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.989		10-140		47	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67791	7.965				
1146-65-2	Naphthalene-d8	318379	10.755				
15067-26-2	Acenaphthene-d10	257735	14.58				
1517-22-2	Phenanthrene-d10	574042	17.323				
1719-03-5	Chrysene-d12	560595	21.564				
1520-96-3	Perylene-d12	646352	24.66				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-55-6	Propylene Glycol	140	J			3.683	
000770-35-4	1-Phenoxypropan-2-ol	160	J			11.496	
000638-53-9	Tridecanoic acid	110	J			18.228	
	(DEL) Alkane: Cyclic21.247	98	J			21.247	
E966796	Total Alkanes	98				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q1	SDG No.:	BG080524
Lab Sample ID:	P3361-21	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
BG062258.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31	U	31	7.6	77	ug/Kg
100-52-7	Benzaldehyde	67	U	67	95.5	380	ug/Kg
110-86-1	Pyridine	89	U	89	190	380	ug/Kg
108-95-2	Phenol	35	U	35	95.5	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	95.5	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.2	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	95.5	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46	U	46	95.5	380	ug/Kg
98-86-2	Acetophenone	76	U	76	95.5	380	ug/Kg
106-44-5	4-Methylphenol	61	U	61	95.5	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	91	U	91	49.2	200	ug/Kg
67-72-1	Hexachloroethane	71	U	71	49.2	200	ug/Kg
98-95-3	Nitrobenzene	74	U	74	49.2	200	ug/Kg
78-59-1	Isophorone	76	U	76	49.2	200	ug/Kg
88-75-5	2-Nitrophenol	69	U	69	49.2	200	ug/Kg
105-67-9	2,4-Dimethylphenol	37	U	37	49.2	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	52	U	52	49.2	200	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	49.2	200	ug/Kg
91-20-3	Naphthalene	28	U	28	49.2	200	ug/Kg
106-47-8	4-Chloroaniline	42	U	42	49.2	380	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	49.2	200	ug/Kg
105-60-2	Caprolactam	74	U	74	95.5	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	47	U	47	49.2	200	ug/Kg
90-12-0	1-Methylnaphthalene	28	U	28	49.2	200	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	49.2	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	95.5	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	28	U	28	49.2	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38	U	38	49.2	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q1	SDG No.:	BG080524
Lab Sample ID:	P3361-21	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
BG062258.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	30	U	30	49.2	200	ug/Kg
91-58-7	2-Chloronaphthalene	38	U	38	49.2	200	ug/Kg
88-74-4	2-Nitroaniline	52	U	52	49.2	200	ug/Kg
131-11-3	Dimethylphthalate	35	U	35	49.2	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	49.2	200	ug/Kg
208-96-8	Acenaphthylene	34	U	34	49.2	200	ug/Kg
99-09-2	3-Nitroaniline	76	U	76	95.5	380	ug/Kg
83-32-9	Acenaphthene	30	U	30	49.2	200	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	95.5	380	ug/Kg
100-02-7	4-Nitrophenol	51	U	51	95.5	380	ug/Kg
132-64-9	Dibenzofuran	31	U	31	49.2	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	41	U	41	49.2	200	ug/Kg
84-66-2	Diethylphthalate	38	U	38	49.2	200	ug/Kg
86-73-7	Fluorene	31	U	31	49.2	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	23	U	23	49.2	200	ug/Kg
100-01-6	4-Nitroaniline	28	U	28	95.5	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	44	U	44	95.5	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	28	U	28	49.2	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	39	U	39	49.2	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30	U	30	49.2	200	ug/Kg
118-74-1	Hexachlorobenzene	32	U	32	49.2	200	ug/Kg
1912-24-9	Atrazine	32	U	32	95.5	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.5	380	ug/Kg
85-01-8	Phenanthrene	31	U	31	49.2	200	ug/Kg
608-93-5	Pentachlorobenzene	43	U	43	49.2	200	ug/Kg
120-12-7	Anthracene	29	U	29	49.2	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	49.2	200	ug/Kg
86-74-8	Carbazole	39	U	39	95.5	380	ug/Kg
84-74-2	Di-n-butylphthalate	31	U	31	49.2	200	ug/Kg
206-44-0	Fluoranthene	22	U	22	95.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q1	SDG No.:	BG080524
Lab Sample ID:	P3361-21	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
BG062258.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	21	U	21	49.2	200	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	25	49.2	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	60	U	60	95.5	380	ug/Kg
56-55-3	Benzo(a)anthracene	27	U	27	49.2	200	ug/Kg
218-01-9	Chrysene	28	U	28	49.2	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	29	U	29	49.2	200	ug/Kg
117-84-0	Di-n-octyl phthalate	56	U	56	95.5	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	43	U	43	49.2	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	44	U	44	49.2	200	ug/Kg
50-32-8	Benzo(a)pyrene	36	U	36	49.2	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32	U	32	49.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30	U	30	49.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37	U	37	49.2	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	49.2	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.468		15-120		43	SPK: -8
7291-22-7	Pyridine-d5	17.633		20-120		44	SPK: -40
4165-62-2	Phenol-d5	19.6		10-130		49	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.473		10-150		49	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.619		15-120		49	SPK: -40
190780-66-6	4-Methylphenol-d8	20.065		10-140		50	SPK: -40
4165-60-0	Nitrobenzene-d5	22.114		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.454		10-120		61	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.465		10-140		49	SPK: -40
191656-33-4	4-Chloroaniline-d4	19.457		1-145		49	SPK: -40
85448-30-2	Dimethylphthalate-d6	19.686		10-145		49	SPK: -40
93951-97-4	Acenaphthylene-d8	19.684		15-120		49	SPK: -40
93951-79-2	4-Nitrophenol-d4	17.947		10-150		45	SPK: -40
81103-79-9	Fluorene-d10	20.161		20-140		50	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q1	SDG No.:	BG080524
Lab Sample ID:	P3361-21	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
BG062258.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.115		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	19.876		10-150		50	SPK: -40
1718-52-1	Pyrene-d10	20.353		10-130		51	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	19.927		10-140		50	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67626	7.966				
1146-65-2	Naphthalene-d8	332374	10.756				
15067-26-2	Acenaphthene-d10	262925	14.58				
1517-22-2	Phenanthrene-d10	595074	17.324				
1719-03-5	Chrysene-d12	572332	21.565				
1520-96-3	Perylene-d12	668325	24.661				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	160	J			3.683	
000770-35-4	1-Phenoxypropan-2-ol	150	J			11.49	
	(DEL) Alkane: Straight-Chain	21.248	J			21.248	
E966796	Total Alkanes	110				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q3	SDG No.:	BG080524
Lab Sample ID:	P3361-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062259.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32	U	32	7.9	80	ug/Kg
100-52-7	Benzaldehyde	69	U	69	98.8	400	ug/Kg
110-86-1	Pyridine	92	U	92	200	400	ug/Kg
108-95-2	Phenol	36	U	36	98.8	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	98.8	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	50.9	200	ug/Kg
95-48-7	2-Methylphenol	37	U	37	98.8	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	98.8	400	ug/Kg
98-86-2	Acetophenone	79	U	79	98.8	400	ug/Kg
106-44-5	4-Methylphenol	63	U	63	98.8	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	95	U	95	50.9	200	ug/Kg
67-72-1	Hexachloroethane	73	U	73	50.9	200	ug/Kg
98-95-3	Nitrobenzene	77	U	77	50.9	200	ug/Kg
78-59-1	Isophorone	79	U	79	50.9	200	ug/Kg
88-75-5	2-Nitrophenol	72	U	72	50.9	200	ug/Kg
105-67-9	2,4-Dimethylphenol	38	U	38	50.9	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	50.9	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50.9	200	ug/Kg
91-20-3	Naphthalene	29	U	29	50.9	200	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	50.9	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	50.9	200	ug/Kg
105-60-2	Caprolactam	77	U	77	98.8	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	50.9	200	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	50.9	200	ug/Kg
91-57-6	2-Methylnaphthalene	38	U	38	50.9	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	98.8	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	50.9	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	50.9	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q3	SDG No.:	BG080524
Lab Sample ID:	P3361-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062259.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	50.9	200	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	50.9	200	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	50.9	200	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	50.9	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	50.9	200	ug/Kg
208-96-8	Acenaphthylene	35	U	35	50.9	200	ug/Kg
99-09-2	3-Nitroaniline	79	U	79	98.8	400	ug/Kg
83-32-9	Acenaphthene	31	U	31	50.9	200	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	98.8	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	98.8	400	ug/Kg
132-64-9	Dibenzofuran	32	U	32	50.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	50.9	200	ug/Kg
84-66-2	Diethylphthalate	40	U	40	50.9	200	ug/Kg
86-73-7	Fluorene	32	U	32	50.9	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	50.9	200	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	98.8	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	98.8	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	50.9	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	50.9	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	50.9	200	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	50.9	200	ug/Kg
1912-24-9	Atrazine	34	U	34	98.8	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	98.8	400	ug/Kg
85-01-8	Phenanthrene	32	U	32	50.9	200	ug/Kg
608-93-5	Pentachlorobenzene	44	U	44	50.9	200	ug/Kg
120-12-7	Anthracene	30	U	30	50.9	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	50.9	200	ug/Kg
86-74-8	Carbazole	41	U	41	98.8	400	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	32	50.9	200	ug/Kg
206-44-0	Fluoranthene	23	U	23	98.8	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q3	SDG No.:	BG080524
Lab Sample ID:	P3361-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062259.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	22	U	22	50.9	200	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	26	50.9	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62	U	62	98.8	400	ug/Kg
56-55-3	Benzo(a)anthracene	28	U	28	50.9	200	ug/Kg
218-01-9	Chrysene	29	U	29	50.9	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	50.9	200	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	98.8	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	U	44	50.9	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	50.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	37	50.9	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	34	U	34	50.9	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	50.9	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	38	U	38	50.9	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	50.9	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.17		15-120		52	SPK: -8
7291-22-7	Pyridine-d5	20.534		20-120		51	SPK: -40
4165-62-2	Phenol-d5	22.791		10-130		57	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.316		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.418		15-120		59	SPK: -40
190780-66-6	4-Methylphenol-d8	22.994		10-140		57	SPK: -40
4165-60-0	Nitrobenzene-d5	26.906		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	28.899		10-120		72	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.948		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.002		1-145		58	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.942		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	23.094		15-120		58	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.05		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	23.295		20-140		58	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q3	SDG No.:	BG080524
Lab Sample ID:	P3361-23	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.8
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
BG062259.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.182		10-130		48	SPK: -40
1719-06-8	Anthracene-d10	23.241		10-150		58	SPK: -40
1718-52-1	Pyrene-d10	23.519		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.62		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65377	7.963				
1146-65-2	Naphthalene-d8	309576	10.76				
15067-26-2	Acenaphthene-d10	244822	14.584				
1517-22-2	Phenanthrene-d10	543415	17.321				
1719-03-5	Chrysene-d12	525628	21.563				
1520-96-3	Perylene-d12	611654	24.658				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	180	J			3.681	
000770-35-4	1-Phenoxypropan-2-ol	200	J			11.494	
000638-53-9	Tridecanoic acid	100	J			18.226	
	(DEL) Alkane: Cyclic21.251	99	J			21.251	
E966796	Total Alkanes	99				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P1	SDG No.:	BG080524
Lab Sample ID:	P3361-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.5
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
BG062260.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32	U	32	7.9	80	ug/Kg
100-52-7	Benzaldehyde	69	U	69	98.5	390	ug/Kg
110-86-1	Pyridine	92	U	92	200	390	ug/Kg
108-95-2	Phenol	36	U	36	98.5	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	98.5	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50.7	200	ug/Kg
95-48-7	2-Methylphenol	37	U	37	98.5	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	98.5	390	ug/Kg
98-86-2	Acetophenone	79	U	79	98.5	390	ug/Kg
106-44-5	4-Methylphenol	63	U	63	98.5	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	94	U	94	50.7	200	ug/Kg
67-72-1	Hexachloroethane	73	U	73	50.7	200	ug/Kg
98-95-3	Nitrobenzene	76	U	76	50.7	200	ug/Kg
78-59-1	Isophorone	79	U	79	50.7	200	ug/Kg
88-75-5	2-Nitrophenol	72	U	72	50.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	38	U	38	50.7	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	50.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	50.7	200	ug/Kg
91-20-3	Naphthalene	29	U	29	50.7	200	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	50.7	390	ug/Kg
87-68-3	Hexachlorobutadiene	430		42	50.7	200	ug/Kg
105-60-2	Caprolactam	76	U	76	98.5	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	50.7	200	ug/Kg
90-12-0	1-Methylnaphthalene	59	J	29	50.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	97	J	38	50.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	98.5	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	50.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39	U	39	50.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P1	SDG No.:	BG080524
Lab Sample ID:	P3361-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.5
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
BG062260.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	50.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	39	U	39	50.7	200	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	50.7	200	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	50.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	50.7	200	ug/Kg
208-96-8	Acenaphthylene	35	U	35	50.7	200	ug/Kg
99-09-2	3-Nitroaniline	79	U	79	98.5	390	ug/Kg
83-32-9	Acenaphthene	31	U	31	50.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	98.5	390	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	98.5	390	ug/Kg
132-64-9	Dibenzofuran	32	U	32	50.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	50.7	200	ug/Kg
84-66-2	Diethylphthalate	39	U	39	50.7	200	ug/Kg
86-73-7	Fluorene	32	U	32	50.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	50.7	200	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	98.5	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	45	U	45	98.5	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	50.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	50.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	50.7	200	ug/Kg
118-74-1	Hexachlorobenzene	33	U	33	50.7	200	ug/Kg
1912-24-9	Atrazine	33	U	33	98.5	390	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	98.5	390	ug/Kg
85-01-8	Phenanthrene	32	U	32	50.7	200	ug/Kg
608-93-5	Pentachlorobenzene	44	U	44	50.7	200	ug/Kg
120-12-7	Anthracene	30	U	30	50.7	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	50.7	200	ug/Kg
86-74-8	Carbazole	41	U	41	98.5	390	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	32	50.7	200	ug/Kg
206-44-0	Fluoranthene	23	U	23	98.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P1	SDG No.:	BG080524
Lab Sample ID:	P3361-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.5
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
BG062260.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	21	U	21	50.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	26	50.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62	U	62	98.5	390	ug/Kg
56-55-3	Benzo(a)anthracene	27	U	27	50.7	200	ug/Kg
218-01-9	Chrysene	29	U	29	50.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59	J	30	50.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	57	U	57	98.5	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	U	44	50.7	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	50.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	37	U	37	50.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	33	U	33	50.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	50.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	38	U	38	50.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	50.7	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.841		15-120		36	SPK: -8
7291-22-7	Pyridine-d5	16.795		20-120		42	SPK: -40
4165-62-2	Phenol-d5	20.718		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.545		10-150		54	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.196		15-120		53	SPK: -40
190780-66-6	4-Methylphenol-d8	17.035		10-140		43	SPK: -40
4165-60-0	Nitrobenzene-d5	26.747		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.38		10-120		73	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.758		10-140		54	SPK: -40
191656-33-4	4-Chloroaniline-d4	19.966		1-145		50	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.329		10-145		56	SPK: -40
93951-97-4	Acenaphthylene-d8	23.026		15-120		58	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.679		10-150		49	SPK: -40
81103-79-9	Fluorene-d10	22.725		20-140		57	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P1	SDG No.:	BG080524
Lab Sample ID:	P3361-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062260.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.527		10-130		54	SPK: -40
1719-06-8	Anthracene-d10	23.336		10-150		58	SPK: -40
1718-52-1	Pyrene-d10	24.41		10-130		61	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.587		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	64828	7.966				
1146-65-2	Naphthalene-d8	292725	10.756				
15067-26-2	Acenaphthene-d10	216367	14.581				
1517-22-2	Phenanthrene-d10	441083	17.324				
1719-03-5	Chrysene-d12	413702	21.565				
1520-96-3	Perylene-d12	473267	24.667				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	84	J			3.683	
	(DEL) Alkane: Straight-Chain7.602	290	J			7.602	
	(DEL) Alkane: Straight-Chain8.506	100	J			8.506	
	(DEL) Alkane: Straight-Chain8.741	84	J			8.741	
	(DEL) Alkane: Straight-Chain9.205	1200	J			9.205	
	unknown-01	81	J			9.329	
021400-41-9	1,3-Butadiene, 1,1,2,4,4-pentachlo	220	J			10.292	
	(DEL) Alkane: Straight-Chain10.938	130	J			10.938	
	(DEL) Alkane: Cyclic11.479	140	J			11.479	
	(DEL) Alkane: Straight-Chain11.696	86	J			11.696	
	(DEL) Alkane: Straight-Chain11.802	230	J			11.802	
	(DEL) Alkane: Straight-Chain12.195	800	J			12.195	
	(DEL) Alkane: Straight-Chain12.824	130	J			12.824	
	(DEL) Alkane: Straight-Chain12.877	180	J			12.877	
004292-19-7	Dodecane, 1-iodo-	130	J			13.006	
	(DEL) Alkane: Straight-Chain13.088	120	J			13.088	
	(DEL) Alkane: Straight-Chain13.147	310	J			13.147	

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P1	SDG No.:	BG080524
Lab Sample ID:	P3361-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062260.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	(DEL) Alkane: Straight-Chain13.429	1400	J			13.429	
000575-43-9	Naphthalene, 1,6-dimethyl-	86	J			13.746	
000581-40-8	Naphthalene, 2,3-dimethyl-	110	J			13.905	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	470	J			14.087	
	(DEL) Alkane: Straight-Chain14.128	170	J			14.128	
	unknown-02	98	J			14.434	
	(DEL) Alkane: Straight-Chain14.504	1100	J			14.504	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	120	J			15.056	
	(DEL) Alkane: Straight-Chain15.121	200	J			15.121	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	97	J			15.191	
000608-93-5	Benzene, pentachloro-	130	J			15.356	
	(DEL) Alkane: Straight-Chain15.450	710	J			15.45	
	(DEL) Alkane: Straight-Chain15.861	290	J			15.861	
1000309-18-4	Sulfurous acid, butyl heptadecyl e	110	J			16.008	
	(DEL) Alkane: Cyclic16.067	130	J			16.067	
	(DEL) Alkane: Straight-Chain16.314	940	J			16.314	
	(DEL) Alkane: Straight-Chain16.343	280	J			16.343	
	(DEL) Alkane: Straight-Chain17.107	570	J			17.107	
	(DEL) Alkane: Straight-Chain17.159	340	J			17.159	
	(DEL) Alkane: Straight-Chain17.847	500	J			17.847	
000638-53-9	Tridecanoic acid	230	J			18.229	
	(DEL) Alkane: Straight-Chain18.534	300	J			18.534	
	(DEL) Alkane: Straight-Chain19.163	210	J			19.163	
1000309-12-6	Sulfurous acid, pentadecyl 2-propy	160	J			20.273	
1000285-40-2	.beta.-iso-Methyl ionone	540	J			27.498	
E966796	Total Alkanes	11000				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P6	SDG No.:	BG080524
Lab Sample ID:	P3361-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062261.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	30	U	30	7.3	74	ug/Kg
100-52-7	Benzaldehyde	64	U	64	91	360	ug/Kg
110-86-1	Pyridine	85	U	85	180	360	ug/Kg
108-95-2	Phenol	33	U	33	91	360	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	32	U	32	91	360	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	46.9	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	91	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44	U	44	91	360	ug/Kg
98-86-2	Acetophenone	73	U	73	91	360	ug/Kg
106-44-5	4-Methylphenol	58	U	58	91	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	87	U	87	46.9	190	ug/Kg
67-72-1	Hexachloroethane	67	U	67	46.9	190	ug/Kg
98-95-3	Nitrobenzene	71	U	71	46.9	190	ug/Kg
78-59-1	Isophorone	73	U	73	46.9	190	ug/Kg
88-75-5	2-Nitrophenol	66	U	66	46.9	190	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	46.9	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	50	U	50	46.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	42	U	42	46.9	190	ug/Kg
91-20-3	Naphthalene	26	U	26	46.9	190	ug/Kg
106-47-8	4-Chloroaniline	40	U	40	46.9	360	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	46.9	190	ug/Kg
105-60-2	Caprolactam	71	U	71	91	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45	U	45	46.9	190	ug/Kg
90-12-0	1-Methylnaphthalene	26	U	26	46.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	35	U	35	46.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	91	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	26	U	26	46.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	36	U	36	46.9	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P6	SDG No.:	BG080524
Lab Sample ID:	P3361-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062261.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	29	U	29	46.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	36	U	36	46.9	190	ug/Kg
88-74-4	2-Nitroaniline	50	U	50	46.9	190	ug/Kg
131-11-3	Dimethylphthalate	33	U	33	46.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	22	U	22	46.9	190	ug/Kg
208-96-8	Acenaphthylene	32	U	32	46.9	190	ug/Kg
99-09-2	3-Nitroaniline	73	U	73	91	360	ug/Kg
83-32-9	Acenaphthene	29	U	29	46.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	91	360	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	91	360	ug/Kg
132-64-9	Dibenzofuran	30	U	30	46.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	39	U	39	46.9	190	ug/Kg
84-66-2	Diethylphthalate	36	U	36	46.9	190	ug/Kg
86-73-7	Fluorene	30	U	30	46.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	22	U	22	46.9	190	ug/Kg
100-01-6	4-Nitroaniline	26	U	26	91	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	42	U	42	91	360	ug/Kg
86-30-6	N-Nitrosodiphenylamine	26	U	26	46.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	37	U	37	46.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29	U	29	46.9	190	ug/Kg
118-74-1	Hexachlorobenzene	31	U	31	46.9	190	ug/Kg
1912-24-9	Atrazine	31	U	31	91	360	ug/Kg
87-86-5	Pentachlorophenol	97	U	97	91	360	ug/Kg
85-01-8	Phenanthrene	30	U	30	46.9	190	ug/Kg
608-93-5	Pentachlorobenzene	41	U	41	46.9	190	ug/Kg
120-12-7	Anthracene	28	U	28	46.9	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	19	U	19	46.9	190	ug/Kg
86-74-8	Carbazole	37	U	37	91	360	ug/Kg
84-74-2	Di-n-butylphthalate	30	U	30	46.9	190	ug/Kg
206-44-0	Fluoranthene	21	U	21	91	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P6	SDG No.:	BG080524
Lab Sample ID:	P3361-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.6
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
BG062261.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	20	U	20	46.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	24	U	24	46.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	57	U	57	91	360	ug/Kg
56-55-3	Benzo(a)anthracene	25	U	25	46.9	190	ug/Kg
218-01-9	Chrysene	26	U	26	46.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	28	U	28	46.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	53	U	53	91	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	41	U	41	46.9	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	42	U	42	46.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	34	U	34	46.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	31	46.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29	U	29	46.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	46.9	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40	U	40	46.9	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.509		15-120		44	SPK: -8
7291-22-7	Pyridine-d5	17.332		20-120		43	SPK: -40
4165-62-2	Phenol-d5	21.301		10-130		53	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.025		10-150		53	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.614		15-120		54	SPK: -40
190780-66-6	4-Methylphenol-d8	22.32		10-140		56	SPK: -40
4165-60-0	Nitrobenzene-d5	25.523		10-135		64	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.716		10-120		69	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.736		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.623		1-145		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	23.645		10-145		59	SPK: -40
93951-97-4	Acenaphthylene-d8	23.42		15-120		59	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.788		10-150		57	SPK: -40
81103-79-9	Fluorene-d10	24.304		20-140		61	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20P6	SDG No.:	BG080524
Lab Sample ID:	P3361-16	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG062261.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.078		10-130		53	SPK: -40
1719-06-8	Anthracene-d10	23.586		10-150		59	SPK: -40
1718-52-1	Pyrene-d10	25.61		10-130		64	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.991		10-140		62	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59014	7.965				
1146-65-2	Naphthalene-d8	278033	10.761				
15067-26-2	Acenaphthene-d10	222988	14.585				
1517-22-2	Phenanthrene-d10	500183	17.323				
1719-03-5	Chrysene-d12	467222	21.564				
1520-96-3	Perylene-d12	539902	24.66				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	160	J			3.682	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	96	J			7.553	
000770-35-4	1-Phenoxypropan-2-ol	210	J			11.495	
000057-10-3	n-Hexadecanoic acid	200	J			18.233	
000057-11-4	Octadecanoic acid	84	J			19.502	
	(DEL) Alkane: Cyclic	160	J			21.247	
E966796	Total Alkanes	160				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q2	SDG No.:	BG080524
Lab Sample ID:	P3361-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.4
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
BG062262.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	30	U	30	7.3	74	ug/Kg
100-52-7	Benzaldehyde	64	U	64	91.1	360	ug/Kg
110-86-1	Pyridine	85	U	85	180	360	ug/Kg
108-95-2	Phenol	33	U	33	91.1	360	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	32	U	32	91.1	360	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	46.9	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	91.1	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44	U	44	91.1	360	ug/Kg
98-86-2	Acetophenone	73	U	73	91.1	360	ug/Kg
106-44-5	4-Methylphenol	58	U	58	91.1	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	87	U	87	46.9	190	ug/Kg
67-72-1	Hexachloroethane	67	U	67	46.9	190	ug/Kg
98-95-3	Nitrobenzene	71	U	71	46.9	190	ug/Kg
78-59-1	Isophorone	73	U	73	46.9	190	ug/Kg
88-75-5	2-Nitrophenol	66	U	66	46.9	190	ug/Kg
105-67-9	2,4-Dimethylphenol	35	U	35	46.9	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	50	U	50	46.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	42	U	42	46.9	190	ug/Kg
91-20-3	Naphthalene	26	U	26	46.9	190	ug/Kg
106-47-8	4-Chloroaniline	40	U	40	46.9	360	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	46.9	190	ug/Kg
105-60-2	Caprolactam	71	U	71	91.1	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45	U	45	46.9	190	ug/Kg
90-12-0	1-Methylnaphthalene	26	U	26	46.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	35	U	35	46.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	91.1	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	26	U	26	46.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	36	U	36	46.9	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q2	SDG No.:	BG080524
Lab Sample ID:	P3361-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.4
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
BG062262.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	29	U	29	46.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	36	U	36	46.9	190	ug/Kg
88-74-4	2-Nitroaniline	50	U	50	46.9	190	ug/Kg
131-11-3	Dimethylphthalate	33	U	33	46.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	22	U	22	46.9	190	ug/Kg
208-96-8	Acenaphthylene	32	U	32	46.9	190	ug/Kg
99-09-2	3-Nitroaniline	73	U	73	91.1	360	ug/Kg
83-32-9	Acenaphthene	29	U	29	46.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	91.1	360	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	91.1	360	ug/Kg
132-64-9	Dibenzofuran	30	U	30	46.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	39	U	39	46.9	190	ug/Kg
84-66-2	Diethylphthalate	36	U	36	46.9	190	ug/Kg
86-73-7	Fluorene	30	U	30	46.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	22	U	22	46.9	190	ug/Kg
100-01-6	4-Nitroaniline	26	U	26	91.1	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	42	U	42	91.1	360	ug/Kg
86-30-6	N-Nitrosodiphenylamine	26	U	26	46.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38	U	38	46.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29	U	29	46.9	190	ug/Kg
118-74-1	Hexachlorobenzene	31	U	31	46.9	190	ug/Kg
1912-24-9	Atrazine	31	U	31	91.1	360	ug/Kg
87-86-5	Pentachlorophenol	97	U	97	91.1	360	ug/Kg
85-01-8	Phenanthrene	30	U	30	46.9	190	ug/Kg
608-93-5	Pentachlorobenzene	41	U	41	46.9	190	ug/Kg
120-12-7	Anthracene	28	U	28	46.9	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	19	U	19	46.9	190	ug/Kg
86-74-8	Carbazole	38	U	38	91.1	360	ug/Kg
84-74-2	Di-n-butylphthalate	30	U	30	46.9	190	ug/Kg
206-44-0	Fluoranthene	21	U	21	91.1	190	ug/Kg

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q2	SDG No.:	BG080524
Lab Sample ID:	P3361-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.4
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
BG062262.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	20	U	20	46.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	24	U	24	46.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	57	U	57	91.1	360	ug/Kg
56-55-3	Benzo(a)anthracene	25	U	25	46.9	190	ug/Kg
218-01-9	Chrysene	26	U	26	46.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	28	U	28	46.9	190	ug/Kg
117-84-0	Di-n-octyl phthalate	53	U	53	91.1	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	41	U	41	46.9	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	42	U	42	46.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	34	U	34	46.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	31	46.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29	U	29	46.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	46.9	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40	U	40	46.9	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.913		15-120		49	SPK: -8
7291-22-7	Pyridine-d5	19.935		20-120		50	SPK: -40
4165-62-2	Phenol-d5	23.998		10-130		60	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.278		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.846		15-120		60	SPK: -40
190780-66-6	4-Methylphenol-d8	24.123		10-140		60	SPK: -40
4165-60-0	Nitrobenzene-d5	27.773		10-135		69	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.304		10-120		76	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	24.417		10-140		61	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.429		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.074		10-145		60	SPK: -40
93951-97-4	Acenaphthylene-d8	24.313		15-120		61	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.337		10-150		53	SPK: -40
81103-79-9	Fluorene-d10	24.545		20-140		61	SPK: -40

Report of Analysis

Client:		Date Collected:	7/25/2024 12:00:00 AM
Project:		Date Received:	7/25/2024 12:00:00 AM
Client Sample ID:	E20Q2	SDG No.:	BG080524
Lab Sample ID:	P3361-22	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.4
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
BG062262.D	1	7/26/2024 12:00:00 AM	8/6/2024 12:00:00 AM	PB162313

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.927		10-130		55	SPK: -40
1719-06-8	Anthracene-d10	23.867		10-150		60	SPK: -40
1718-52-1	Pyrene-d10	25.435		10-130		64	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.844		10-140		62	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	65968	7.965				
1146-65-2	Naphthalene-d8	315020	10.755				
15067-26-2	Acenaphthene-d10	242464	14.58				
1517-22-2	Phenanthrene-d10	522936	17.323				
1719-03-5	Chrysene-d12	497642	21.564				
1520-96-3	Perylene-d12	571315	24.66				
TENTATIVE IDENTIFIED COMPOUNDS							
004254-15-3	(S)-(+)-1,2-Propanediol	230	J			3.683	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	120	J			7.554	
000770-35-4	1-Phenoxypropan-2-ol	220	J			11.49	
	unknown-01	1400	J			14.815	
000057-10-3	n-Hexadecanoic acid	170	J			18.228	
074339-53-0	Trichloroacetic acid, pentadecyl e	150	J			21.247	
	(DEL) Alkane: Straight-Chain25.888	120	J			25.888	
E966796	Total Alkanes	120				99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG080524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E20N3								
P3361-01	E20N3	Solid	(DEL) Alkane: Cyclic21.252	*	170.000	J		
P3361-01	E20N3	Solid	(S)-(+)-1,2-Propanediol	*	310.000	J		
P3361-01	E20N3	Solid	1-Phenoxypropan-2-ol	*	260.000	J		
P3361-01	E20N3	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	150.000	J		
P3361-01	E20N3	Solid	n-Hexadecanoic acid	*	130.000	J		
P3361-01	E20N3	Solid	Total Alkanes	*	170.000	32	210	ug/Kg
Total Tics :					1,190.00			
Total Concentration:					1,190.00			
Client ID : E20N5								
P3361-02	E20N5	Solid	(DEL) Alkane: Straight-Chain21.2	*	240.000	J		
P3361-02	E20N5	Solid	(S)-(+)-1,2-Propanediol	*	390.000	J		
P3361-02	E20N5	Solid	1-Phenoxypropan-2-ol	*	250.000	J		
P3361-02	E20N5	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	130.000	J		
P3361-02	E20N5	Solid	n-Hexadecanoic acid	*	160.000	J		
P3361-02	E20N5	Solid	unknown-01	*	190.000	J		
P3361-02	E20N5	Solid	Total Alkanes	*	240.000	32	210	ug/Kg
Total Tics :					1,600.00			
Total Concentration:					1,600.00			
Client ID : E20N6								
P3361-03	E20N6	Solid	(DEL) Alkane: Straight-Chain21.2	*	200.000	J		
P3361-03	E20N6	Solid	1-Phenoxypropan-2-ol	*	240.000	J		
P3361-03	E20N6	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	130.000	J		
P3361-03	E20N6	Solid	Pentadecanoic acid	*	150.000	J		
P3361-03	E20N6	Solid	Propylene Glycol	*	360.000	J		
P3361-03	E20N6	Solid	unknown-01	*	750.000	J		
P3361-03	E20N6	Solid	Total Alkanes	*	200.000	33	220	ug/Kg
Total Tics :					2,030.00			
Total Concentration:					2,030.00			
Client ID : E20N8								
P3361-04	E20N8	Solid	(DEL) Alkane: Straight-Chain21.2	*	150.000	J		
P3361-04	E20N8	Solid	n-Hexadecanoic acid	*	140.000	J		
P3361-04	E20N8	Solid	unknown-01	*	510.000	J		
P3361-04	E20N8	Solid	Total Alkanes	*	150.000	32	210	ug/Kg
Total Tics :					950.00			
Total Concentration:					950.00			
Client ID : E20P0								

Hit Summary Sheet SW-846

SDG No.: BG080524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3361-08	E20P0	Solid	(DEL) Alkane: Cyclic21.252	*	550.000	J		
P3361-08	E20P0	Solid	(DEL) Alkane: Straight-Chain23.8	*	130.000	J		
P3361-08	E20P0	Solid	.beta.-Sitosterol	*	150.000	J		
P3361-08	E20P0	Solid	Benzo[e]pyrene	*	250.000	J		
P3361-08	E20P0	Solid	Epilupeol; 20(29)-Lupen-3alpha-c	*	1,100.000	J		
P3361-08	E20P0	Solid	n-Hexadecanoic acid	*	170.000	J		
P3361-08	E20P0	Solid	Pentadecafluorooctanoic acid, oct:	*	420.000	J		
P3361-08	E20P0	Solid	Total Alkanes	*	680.000	42	280	ug/Kg
Total Tics :					3,450.00			
Total Concentration:					3,450.00			

Client ID : E20P1

P3361-09	E20P1	Solid	(DEL) Alkane: Cyclic11.479	*	140.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Cyclic16.067	*	130.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain10.9	*	130.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain11.6	*	86.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain11.8	*	230.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain12.1	*	800.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain12.8	*	130.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain12.8	*	180.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain13.6	*	120.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain13.1	*	310.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain13.4	*	1,400.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain14.1	*	170.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain14.4	*	1,100.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain15.1	*	200.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain15.4	*	710.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain15.8	*	290.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain16.2	*	940.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain16.2	*	280.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain17.1	*	570.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain17.1	*	340.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain17.8	*	500.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain18.4	*	300.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain19.1	*	210.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain7.6	*	290.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain8.5	*	100.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain8.7	*	84.000	J		
P3361-09	E20P1	Solid	(DEL) Alkane: Straight-Chain9.2	*	1,200.000	J		
P3361-09	E20P1	Solid	(S)-(+)-1,2-Propanediol	*	84.000	J		
P3361-09	E20P1	Solid	.beta.-iso-Methyl ionone	*	540.000	J		

Hit Summary Sheet SW-846

SDG No.: BG080524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3361-09	E20P1	Solid	1,3-Butadiene, 1,1,2,4,4-pentachloro-	*	220.000	J		
P3361-09	E20P1	Solid	Benzene, pentachloro-	*	130.000	J		
P3361-09	E20P1	Solid	Carbonic acid, eicosyl vinyl ester	*	470.000	J		
P3361-09	E20P1	Solid	Dodecane, 1-iodo-	*	130.000	J		
P3361-09	E20P1	Solid	Naphthalene, 1,6,7-trimethyl-	*	120.000	J		
P3361-09	E20P1	Solid	Naphthalene, 1,6-dimethyl-	*	86.000	J		
P3361-09	E20P1	Solid	Naphthalene, 2,3,6-trimethyl-	*	97.000	J		
P3361-09	E20P1	Solid	Naphthalene, 2,3-dimethyl-	*	110.000	J		
P3361-09	E20P1	Solid	Sulfurous acid, butyl heptadecyl ester	*	110.000	J		
P3361-09	E20P1	Solid	Sulfurous acid, pentadecyl 2-propyl ester	*	160.000	J		
P3361-09	E20P1	Solid	Tridecanoic acid	*	230.000	J		
P3361-09	E20P1	Solid	unknown-01	*	81.000	J		
P3361-09	E20P1	Solid	unknown-02	*	98.000	J		
P3361-09	E20P1	Solid	Total Alkanes	*	11,000.000	31	200	ug/Kg
Total Tics :					24,606.00			
P3361-09	E20P1	Solid	1-Methylnaphthalene		59.000	J 29	200	ug/Kg
P3361-09	E20P1	Solid	2-Methylnaphthalene		97.000	J 38	200	ug/Kg
P3361-09	E20P1	Solid	Bis(2-ethylhexyl)phthalate		59.000	J 30	200	ug/Kg
P3361-09	E20P1	Solid	Hexachlorobutadiene		430.000	42	200	ug/Kg
Total Svoc :					645.00			
Total Concentration:					25,251.00			
Client ID : E20P2								
P3361-10	E20P2	Solid	(DEL) Alkane: Straight-Chain 21.2	*	210.000	J		
P3361-10	E20P2	Solid	(S)-(+)-1,2-Propanediol	*	210.000	J		
P3361-10	E20P2	Solid	1-Phenoxypropan-2-ol	*	250.000	J		
P3361-10	E20P2	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	140.000	J		
P3361-10	E20P2	Solid	n-Hexadecanoic acid	*	190.000	J		
P3361-10	E20P2	Solid	unknown-01	*	1,600.000	J		
P3361-10	E20P2	Solid	Total Alkanes	*	210.000	31	210	ug/Kg
Total Tics :					2,810.00			
P3361-10	E20P2	Solid	Fluoranthene		66.000	J 23	210	ug/Kg
P3361-10	E20P2	Solid	Pyrene		52.000	J 22	210	ug/Kg
Total Svoc :					118.00			
Total Concentration:					2,928.00			
Client ID : E20P3								
P3361-13	E20P3	Solid	(S)-(+)-1,2-Propanediol	*	180.000	J		
P3361-13	E20P3	Solid	1-Heneicosyl formate	*	95.000	J		
P3361-13	E20P3	Solid	1-Phenoxypropan-2-ol	*	130.000	J		
P3361-13	E20P3	Solid	n-Hexadecanoic acid	*	86.000	J		
P3361-13	E20P3	Solid	Total Alkanes	*	0.000	30	200	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG080524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Tics :				491.00				
Total Concentration:				491.00				
Client ID :	E20P4							
P3361-14	E20P4	Solid	(S)-(+)-1,2-Propanediol	*	170.000	J		
P3361-14	E20P4	Solid	1-Heneicosanol	*	150.000	J		
P3361-14	E20P4	Solid	1-Phenoxypropan-2-ol	*	120.000	J		
P3361-14	E20P4	Solid	n-Hexadecanoic acid	*	180.000	J		
P3361-14	E20P4	Solid	Total Alkanes	*	0.000	31	200	ug/Kg
Total Tics :				620.00				
Total Concentration:				620.00				
Client ID :	E20P6							
P3361-16	E20P6	Solid	(DEL) Alkane: Cyclic21.247	*	160.000	J		
P3361-16	E20P6	Solid	(S)-(+)-1,2-Propanediol	*	160.000	J		
P3361-16	E20P6	Solid	1-Phenoxypropan-2-ol	*	210.000	J		
P3361-16	E20P6	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	96.000	J		
P3361-16	E20P6	Solid	n-Hexadecanoic acid	*	200.000	J		
P3361-16	E20P6	Solid	Octadecanoic acid	*	84.000	J		
P3361-16	E20P6	Solid	Total Alkanes	*	160.000	29	190	ug/Kg
Total Tics :				1,070.00				
Total Concentration:				1,070.00				
Client ID :	E20P7							
P3361-17	E20P7	Solid	(DEL) Alkane: Straight-Chain21.247	*	120.000	J		
P3361-17	E20P7	Solid	1-Phenoxypropan-2-ol	*	190.000	J		
P3361-17	E20P7	Solid	n-Hexadecanoic acid	*	110.000	J		
P3361-17	E20P7	Solid	unknown-01	*	170.000	J		
P3361-17	E20P7	Solid	Total Alkanes	*	120.000	31	200	ug/Kg
Total Tics :				710.00				
Total Concentration:				710.00				
Client ID :	E20P9							
P3361-19	E20P9	Solid	1-Heneicosanol	*	140.000	J		
P3361-19	E20P9	Solid	1-Phenoxypropan-2-ol	*	160.000	J		
P3361-19	E20P9	Solid	n-Hexadecanoic acid	*	100.000	J		
P3361-19	E20P9	Solid	unknown-01	*	160.000	J		
P3361-19	E20P9	Solid	Total Alkanes	*	0.000	33	220	ug/Kg
Total Tics :				560.00				
Total Concentration:				560.00				
Client ID :	E20Q0							
P3361-20	E20Q0	Solid	(DEL) Alkane: Cyclic21.247	*	98.000	J		

Hit Summary Sheet SW-846

SDG No.: BG080524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P3361-20	E20Q0	Solid	1-Phenoxypropan-2-ol	*	160.000	J		
P3361-20	E20Q0	Solid	Propylene Glycol	*	140.000	J		
P3361-20	E20Q0	Solid	Tridecanoic acid	*	110.000	J		
P3361-20	E20Q0	Solid	Total Alkanes	*	98.000	32	210	ug/Kg
Total Tics :						606.00		
Total Concentration:						606.00		
Client ID : E20Q1								
P3361-21	E20Q1	Solid	(DEL) Alkane: Straight-Chain21.2	*	110.000	J		
P3361-21	E20Q1	Solid	1-Phenoxypropan-2-ol	*	150.000	J		
P3361-21	E20Q1	Solid	unknown-01	*	160.000	J		
P3361-21	E20Q1	Solid	Total Alkanes	*	110.000	30	200	ug/Kg
Total Tics :						530.00		
Total Concentration:						530.00		
Client ID : E20Q2								
P3361-22	E20Q2	Solid	(DEL) Alkane: Straight-Chain25.8	*	120.000	J		
P3361-22	E20Q2	Solid	(S)-(+)-1,2-Propanediol	*	230.000	J		
P3361-22	E20Q2	Solid	1-Phenoxypropan-2-ol	*	220.000	J		
P3361-22	E20Q2	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	120.000	J		
P3361-22	E20Q2	Solid	n-Hexadecanoic acid	*	170.000	J		
P3361-22	E20Q2	Solid	Trichloroacetic acid, pentadecyl e	*	150.000	J		
P3361-22	E20Q2	Solid	unknown-01	*	1,400.000	J		
P3361-22	E20Q2	Solid	Total Alkanes	*	120.000	29	190	ug/Kg
Total Tics :						2,530.00		
Total Concentration:						2,530.00		
Client ID : E20Q3								
P3361-23	E20Q3	Solid	(DEL) Alkane: Cyclic21.251	*	99.000	J		
P3361-23	E20Q3	Solid	(S)-(+)-1,2-Propanediol	*	180.000	J		
P3361-23	E20Q3	Solid	1-Phenoxypropan-2-ol	*	200.000	J		
P3361-23	E20Q3	Solid	Tridecanoic acid	*	100.000	J		
P3361-23	E20Q3	Solid	Total Alkanes	*	99.000	31	200	ug/Kg
Total Tics :						678.00		
Total Concentration:						678.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG No.: BG080524
Instrument ID: _____ Calibration Date(s): 8/5/2024 1: _____
Calibration Time(s): 10:38 _____

LAB FILE ID:		RRFAL1 = BG062232.D		RRFAL2 = BG062233.D		RRFAL3 = BG062234.D		
		RRFAL4 = BG062235.D		RRFAL5 = BG062236.D		RRFAL6 = BG062237.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.503	0.599	0.541	0.466	0.509		0.524	9.5
Benzaldehyde		1.203	1.136	1.161	0.863	0.681	1.009	22.5
Pyridine		1.602	1.525	1.482	1.532	1.443	1.517	3.9
Hexachloroethane	0.510	0.553	0.540	0.537	0.561		0.540	3.6
Nitrobenzene	0.272	0.353	0.357	0.382	0.390		0.351	13.3
Isophorone	0.781	0.938	0.857	0.844	0.799		0.844	7.3
2-Nitrophenol	0.089	0.132	0.148	0.161	0.173		0.141	23.1
2,4-Dimethylphenol	0.369	0.435	0.404	0.409	0.398		0.403	5.9
Bis(2-Chloroethoxy)methane	0.447	0.525	0.477	0.469	0.461		0.476	6.3
2,4-Dichlorophenol	0.298	0.370	0.344	0.352	0.343		0.342	7.8
Naphthalene	1.056	1.237	1.161	1.132	1.099		1.137	6.0
4-Chloroaniline		0.523	0.484	0.480	0.461	0.440	0.478	6.4
Hexachlorobutadiene	0.251	0.274	0.261	0.256	0.250		0.258	3.8
Phenol		2.088	1.974	2.009	2.007	1.993	2.014	2.2
Caprolactam		0.131	0.122	0.120	0.113	0.111	0.119	6.6
4-Chloro-3-methylphenol	0.326	0.424	0.400	0.395	0.371		0.383	9.7
1-Methylnaphthalene	0.822	0.886	0.835	0.777	0.736		0.811	7.1
2-Methylnaphthalene	0.750	0.866	0.787	0.775	0.738		0.783	6.4
Hexachlorocyclopentadiene		0.218	0.240	0.245	0.271	0.295	0.254	11.7
2,4,6-Trichlorophenol	0.315	0.394	0.401	0.389	0.395		0.379	9.5
2,4,5-Trichlorophenol	0.329	0.423	0.439	0.422	0.428		0.408	11.0
1,1-Biphenyl	1.475	1.646	1.598	1.453	1.405		1.515	6.7
2-Chloronaphthalene	1.138	1.291	1.238	1.123	1.097		1.177	7.1
2-Nitroaniline	0.212	0.271	0.319	0.348	0.350		0.300	19.6
Bis(2-Chloroethyl)ether		1.564	1.532	1.507	1.492	1.369	1.493	5.0
Dimethylphthalate	1.470	1.669	1.577	1.548	1.476		1.548	5.3
2,6-Dinitrotoluene	0.127	0.194	0.220	0.248	0.268		0.211	26.0
Acenaphthylene	1.751	2.009	1.897	1.880	1.784		1.864	5.5
3-Nitroaniline		0.232	0.233	0.259	0.249	0.230	0.241	5.3
Acenaphthene	1.331	1.486	1.404	1.387	1.331		1.388	4.6
2,4-Dinitrophenol		0.053	0.062	0.080	0.104	0.121	0.084	34.1
4-Nitrophenol		0.181	0.193	0.198	0.203	0.192	0.193	4.1
Dibenzofuran	1.869	2.010	1.978	1.910	1.819		1.917	4.1
2,4-Dinitrotoluene	0.188	0.253	0.309	0.342	0.358		0.290	24.1
Diethylphthalate	1.479	1.711	1.594	1.560	1.473		1.563	6.2
2-Chlorophenol	1.249	1.498	1.488	1.484	1.546		1.453	8.0

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.: BG080524 SAS No.: BG080524 SDG No.: BG080524

Instrument ID: _____ Calibration Date(s): 8/5/2024 1: _____

Calibration Time(s): 10:38 _____

LAB FILE ID:		RRFAL1 = BG062232.D		RRFAL2 = BG062233.D		RRFAL3 = BG062234.D		
		RRFAL4 = BG062235.D		RRFAL5 = BG062236.D		RRFAL6 = BG062237.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.482	1.638	1.530	1.488	1.358		1.499	6.7
4-Chlorophenyl-phenylether	0.771	0.839	0.790	0.760	0.705		0.773	6.3
4-Nitroaniline		0.228	0.236	0.256	0.226	0.214	0.232	6.6
4,6-Dinitro-2-methylphenol		0.043	0.055	0.067	0.084	0.092	0.068	29.7
N-Nitrosodiphenylamine	0.566	0.635	0.611	0.597	0.587		0.599	4.3
1,2,4,5-Tetrachlorobenzene	0.624	0.704	0.664	0.640	0.633		0.653	4.9
4-Bromophenyl-phenylether	0.210	0.240	0.235	0.229	0.225		0.228	5.0
Hexachlorobenzene	0.252	0.284	0.270	0.263	0.257		0.265	4.8
Atrazine		0.245	0.235	0.228	0.228	0.213	0.230	5.1
Pentachlorophenol		0.111	0.127	0.143	0.157	0.160	0.140	14.8
2-Methylphenol		1.529	1.541	1.539	1.537	1.448	1.519	2.6
Phenanthrene	1.072	1.232	1.148	1.115	1.061		1.126	6.1
Pentachlorobenzene	0.306	0.317	0.319	0.312	0.313		0.313	1.6
Anthracene	1.103	1.266	1.180	1.143	1.084		1.155	6.2
1,2,3,4-Tetrachlorobenzene	0.284	0.316	0.313	0.290	0.294		0.300	4.7
Carbazole		1.050	0.984	0.961	0.926	0.817	0.947	9.1
Di-n-butylphthalate	0.989	1.208	1.176	1.151	1.113		1.127	7.5
Fluoranthene	1.281	1.452	1.345	1.358	1.283		1.344	5.2
Pyrene	1.361	1.567	1.438	1.442	1.349		1.431	6.1
Butylbenzylphthalate	0.416	0.518	0.499	0.521	0.516		0.494	9.0
3,3-Dichlorobenzidine		0.516	0.468	0.472	0.428	0.367	0.450	12.4
2,2-oxybis (1-Chloropropane)		3.214	3.117	3.019	3.050	2.850	3.050	4.4
Benzo (a) anthracene	1.394	1.591	1.465	1.461	1.413		1.465	5.3
Chrysene	1.340	1.491	1.384	1.371	1.329		1.383	4.7
Bis (2-ethylhexyl) phthalate	0.671	0.812	0.767	0.797	0.765		0.762	7.2
Di-n-octyl phthalate		1.194	1.143	1.188	1.147	1.025	1.139	6.0
Benzo (b) fluoranthene	1.143	1.294	1.230	1.235	1.181		1.217	4.7
Benzo (k) fluoranthene	1.164	1.341	1.248	1.230	1.205		1.238	5.3
Benzo (a) pyrene	1.066	1.237	1.156	1.160	1.137		1.151	5.3
Indeno (1,2,3-cd) pyrene	1.377	1.557	1.499	1.519	1.506		1.492	4.5
Dibenzo (a,h) anthracene	1.131	1.292	1.203	1.252	1.214		1.218	5.0
Benzo (g,h,i) perylene	1.034	1.182	1.135	1.158	1.156		1.133	5.1
Acetophenone		2.696	2.604	2.570	2.490	2.301	2.532	5.9
2,3,4,6-Tetrachlorophenol	0.282	0.386	0.386	0.391	0.391		0.367	12.9
1,4-Dioxane-d8	0.406	0.512	0.461	0.465	0.475		0.464	8.2
Pyridine-d5		1.504	1.440	1.460	1.496	1.396	1.459	3.0

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.: BG080524 SAS No.: BG080524 SDG No.: BG080524
Instrument ID: _____ Calibration Date(s): 8/5/2024 1: _____
Calibration Time(s): 10:38 _____

LAB FILE ID:		RRFAL1 = BG062232.D			RRFAL2 = BG062233.D		RRFAL3 = BG062234.D	
		RRFAL4 = BG062235.D			RRFAL5 = BG062236.D		RRFAL6 = BG062237.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.937	1.883	1.913	1.906	1.906	1.909	1.0
Bis-(2-Chloroethyl)ether-d8		1.236	1.205	1.169	1.163	1.103	1.175	4.2
2-Chlorophenol-d4	1.204	1.373	1.390	1.406	1.465		1.368	7.1
4-Methylphenol-d8		1.625	1.586	1.596	1.619	1.524	1.590	2.5
Nitrobenzene-d5	0.092	0.120	0.123	0.136	0.146		0.123	16.6
2-Nitrophenol-d4	0.078	0.106	0.113	0.135	0.148		0.116	23.3
2,4-Dichlorophenol-d3	0.300	0.362	0.342	0.343	0.338		0.337	6.8
4-Chloroaniline-d4		0.535	0.492	0.486	0.475	0.455	0.489	6.0
4-Methylphenol		1.751	1.695	1.702	1.722	1.634	1.701	2.6
Dimethylphthalate-d6	1.467	1.656	1.579	1.540	1.473		1.543	5.1
Acenaphthylene-d8	1.641	1.843	1.793	1.781	1.690		1.750	4.7
4-Nitrophenol-d4		0.204	0.207	0.226	0.228	0.215	0.216	5.0
Fluorene-d10	1.314	1.506	1.413	1.385	1.306		1.385	5.9
4,6-Dinitro-2-methylphenol		0.042	0.047	0.057	0.071	0.079	0.059	26.7
Anthracene-d10	0.911	1.046	0.989	0.959	0.918		0.965	5.8
Pyrene-d10	1.126	1.281	1.200	1.194	1.143		1.189	5.1
Benzo(a)pyrene-d12	0.992	1.128	1.079	1.081	1.065		1.069	4.6
N-Nitroso-di-n-propylamine	1.159	1.402	1.409	1.386	1.372		1.346	7.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020427

Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BG062234.D

Time Analyzed: 14:55

Instrument ID: BNA_G

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	45117	7.965	214110	10.76	160520	14.59
	UPPER LIMIT	90234	8.465	428220	11.261	321040	15.085
	LOWER LIMIT	22558.5	7.465	107055	10.261	80260	14.085
	EPA SAMPLE NO.						
01	SICV431	62481	7.97	284595	10.76	198633	14.59
02	SBLK313	55931	7.96	255069	10.76	203134	14.59
03	SLCS313	51230	7.97	232144	10.76	179051	14.59
04	SBLK313	58882	7.96	273044	10.76	202015	14.58
05	E20N3	62145	7.96	284678	10.76	216087	14.58
06	E20N5	59328	7.96	274633	10.76	195716	14.58
07	E20N6	62005	7.97	287552	10.76	210394	14.59
08	E20N8	56200	7.97	256768	10.76	193732	14.59
09	E20P0	67980	7.96	312336	10.76	243553	14.59
10	E20P2	66468	7.97	309794	10.76	244838	14.58
11	E20P2MS	66188	7.96	316922	10.76	245426	14.58
12	E20P2MSD	64124	7.97	305946	10.76	230101	14.59
13	E20P3	63276	7.96	294666	10.76	231823	14.58
14	E20P4	55337	7.96	262774	10.76	203157	14.58
15	E20P7	63205	7.97	311619	10.76	247822	14.58
16	E20P9	66968	7.96	313452	10.76	248236	14.58
17	SBLK406	141601 *	7.96	701859 *	10.76	550584 *	14.58
18	E20Q0	67791	7.97	318379	10.76	257735	14.58
19	E20Q1	67626	7.97	332374	10.76	262925	14.58
20	E20Q3	65377	7.96	309576	10.76	244822	14.58
21	E20P1	64828	7.97	292725	10.76	216367	14.58
22	E20P6	59014	7.97	278033	10.76	222988	14.59
23	E20Q2	65968	7.97	315020	10.76	242464	14.58

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020427 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BG062234.D Time Analyzed: 08:30

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	45117	7.965	214110	10.76	160520	14.59
UPPER LIMIT	90234	8.465	428220	11.261	321040	15.085
LOWER LIMIT	22558.5	7.465	107055	10.261	80260	14.085
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.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020589 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BG062241.D Time Analyzed: 17:57

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	47776	7.964	218429	10.76	153188	14.58
UPPER LIMIT	95552	8.464	436858	11.26	306376	15.084
LOWER LIMIT	23888	7.464	109214.5	10.26	76594	14.084
EPA SAMPLE NO.						
01 SBLK313	58882	7.96	273044	10.76	202015	14.58
02 E20N3	62145	7.96	284678	10.76	216087	14.58
03 E20N5	59328	7.96	274633	10.76	195716	14.58
04 E20N6	62005	7.97	287552	10.76	210394	14.59
05 E20N8	56200	7.97	256768	10.76	193732	14.59
06 E20P0	67980	7.96	312336	10.76	243553	14.59
07 E20P2	66468	7.97	309794	10.76	244838	14.58
08 E20P2MS	66188	7.96	316922	10.76	245426	14.58
09 E20P2MSD	64124	7.97	305946	10.76	230101	14.59
10 E20P3	63276	7.96	294666	10.76	231823	14.58
11 E20P4	55337	7.96	262774	10.76	203157	14.58
12 E20P7	63205	7.97	311619	10.76	247822	14.58
13 E20P9	66968	7.96	313452	10.76	248236	14.58

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.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020590 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BG062255.D Time Analyzed: 04:21

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	57330	7.967	280250	10.76	214349	14.58
UPPER LIMIT	114660	8.467	560500	11.258	428698	15.082
LOWER LIMIT	28665	7.467	140125	10.258	107174.5	14.082
EPA SAMPLE NO.						
01 SBLK406	141601 *	7.96	701859 *	10.76	550584 *	14.58
02 E20Q0	67791	7.97	318379	10.76	257735	14.58
03 E20Q1	67626	7.97	332374	10.76	262925	14.58
04 E20Q3	65377	7.96	309576	10.76	244822	14.58
05 E20P1	64828	7.97	292725	10.76	216367	14.58
06 E20P6	59014	7.97	278033	10.76	222988	14.59
07 E20Q2	65968	7.97	315020	10.76	242464	14.58

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.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020427 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BG062234.D Time Analyzed: 14:55

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	357990	17.329	353741	21.576	398635	24.672
	UPPER LIMIT	715980	17.829	707482	22.076	797270	25.172
	LOWER LIMIT	178995	16.829	176870.5	21.076	199317.5	24.172
	EPA SAMPLE NO.						
01	SICV431	467628	17.33	449527	21.58	513697	24.68
02	SBLK313	454424	17.33	448266	21.57	517724	24.67
03	SLCS313	405705	17.32	396288	21.57	453703	24.67
04	SBLK313	483121	17.32	475469	21.57	553321	24.66
05	E20N3	494694	17.32	482643	21.56	563507	24.67
06	E20N5	475305	17.32	465998	21.56	538044	24.67
07	E20N6	501563	17.32	486372	21.56	572455	24.67
08	E20N8	446818	17.32	429582	21.57	504766	24.67
09	E20P0	535279	17.32	517397	21.57	605896	24.67
10	E20P2	527334	17.33	515984	21.57	596042	24.66
11	E20P2MS	522366	17.33	497353	21.57	572490	24.67
12	E20P2MSD	503217	17.33	480894	21.57	559680	24.67
13	E20P3	519114	17.32	502067	21.56	580270	24.66
14	E20P4	461486	17.32	454830	21.56	526504	24.66
15	E20P7	543498	17.33	528898	21.57	620693	24.66
16	E20P9	548671	17.32	530781	21.56	616410	24.66
17	SBLK406	1.19338*	17.33	1.15693e+ *	21.57	1.36885e+ *	24.67
18	E20Q0	574042	17.32	560595	21.56	646352	24.66
19	E20Q1	595074	17.32	572332	21.57	668325	24.66
20	E20Q3	543415	17.32	525628	21.56	611654	24.66
21	E20P1	441083	17.32	413702	21.57	473267	24.67

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020427 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BG062234.D Time Analyzed: 07:49

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	357990	17.329	353741	21.576	398635	24.672
UPPER LIMIT	715980	17.829	707482	22.076	797270	25.172
LOWER LIMIT	178995	16.829	176870.5	21.076	199317.5	24.172
EPA SAMPLE NO.						
22 E20P6	500183	17.32	467222	21.56	539902	24.66
23 E20Q2	522936	17.32	497642	21.56	571315	24.66

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.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020589 Date Analyzed: Aug 5 2024 12:00AM

Lab File ID: BG062241.D Time Analyzed: 17:57

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	364235	17.328	355195	21.569	409872	24.665
UPPER LIMIT	728470	17.828	710390	22.069	819744	25.165
LOWER LIMIT	182117.5	16.828	177597.5	21.069	204936	24.165
EPA SAMPLE NO.						
01 SBLK313	483121	17.32	475469	21.57	553321	24.66
02 E20N3	494694	17.32	482643	21.56	563507	24.67
03 E20N5	475305	17.32	465998	21.56	538044	24.67
04 E20N6	501563	17.32	486372	21.56	572455	24.67
05 E20N8	446818	17.32	429582	21.57	504766	24.67
06 E20P0	535279	17.32	517397	21.57	605896	24.67
07 E20P2	527334	17.33	515984	21.57	596042	24.66
08 E20P2MS	522366	17.33	497353	21.57	572490	24.67
09 E20P2MSD	503217	17.33	480894	21.57	559680	24.67
10 E20P3	519114	17.32	502067	21.56	580270	24.66
11 E20P4	461486	17.32	454830	21.56	526504	24.66
12 E20P7	543498	17.33	528898	21.57	620693	24.66
13 E20P9	548671	17.32	530781	21.56	616410	24.66

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.: BG080524 SAS No.: BG080524 SDG NO.: BG080524

EPA Sample No.: SSTD020590 Date Analyzed: Aug 6 2024 12:00AM

Lab File ID: BG062255.D Time Analyzed: 04:21

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	479081	17.325	467550	21.567	532056	24.662
UPPER LIMIT	958162	17.825	935100	22.067	1064112	25.162
LOWER LIMIT	239540.5	16.825	233775	21.067	266028	24.162
EPA SAMPLE NO.						
01 SBLK406	1.19338*	17.33	1.15693e+ *	21.57	1.36885e+ *	24.67
02 E20Q0	574042	17.32	560595	21.56	646352	24.66
03 E20Q1	595074	17.32	572332	21.57	668325	24.66
04 E20Q3	543415	17.32	525628	21.56	611654	24.66
05 E20P1	441083	17.32	413702	21.57	473267	24.67
06 E20P6	500183	17.32	467222	21.56	539902	24.66
07 E20Q2	522936	17.32	497642	21.56	571315	24.66

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.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
SSTDICV020	1,4-Dioxane	8	0	ug/L	0				0	0		
	Benzaldehyde	20	0	ug/L	0				0	0		
	Pyridine	20	0	ug/L	0				0	0		
	Phenol	20	0	ug/L	0				0	0		
	Bis(2-chloroethyl)ether	20	0	ug/L	0				0	0		
	2-Chlorophenol	20	0	ug/L	0				0	0		
	2-Methylphenol	20	0	ug/L	0				0	0		
	2,2-oxybis(1-Chloropropane)	20	0	ug/L	0				0	0		
	Acetophenone	20	0	ug/L	0				0	0		
	4-Methylphenol	20	0	ug/L	0				0	0		
	N-Nitroso-di-n-propylamine	20	0	ug/L	0				0	0		
	Hexachloroethane	20	0	ug/L	0				0	0		
	Nitrobenzene	20	0	ug/L	0				0	0		
	Isophorone	20	0	ug/L	0				0	0		
	2-Nitrophenol	20	0	ug/L	0				0	0		
	2,4-Dimethylphenol	20	0	ug/L	0				0	0		
	Bis(2-chloroethoxy)methane	20	0	ug/L	0				0	0		
	2,4-Dichlorophenol	20	0	ug/L	0				0	0		
	Naphthalene	20	0	ug/L	0				0	0		
	4-Chloroaniline	20	0	ug/L	0				0	0		
	Hexachlorobutadiene	20	0	ug/L	0				0	0		
	Caprolactam	20	0	ug/L	0				0	0		
	4-Chloro-3-methylphenol	20	0	ug/L	0				0	0		
	1-Methylnaphthalene	20	0	ug/L	0				0	0		
	2-Methylnaphthalene	20	0	ug/L	0				0	0		
	Hexachlorocyclopentadiene	20	0	ug/L	0				0	0		
	2,4,6-Trichlorophenol	20	0	ug/L	0				0	0		
	2,4,5-Trichlorophenol	20	0	ug/L	0				0	0		
	1,1'-Biphenyl	20	0	ug/L	0				0	0		
	2-Chloronaphthalene	20	0	ug/L	0				0	0		
	2-Nitroaniline	20	0	ug/L	0				0	0		
	Dimethylphthalate	20	0	ug/L	0				0	0		
	2,6-Dinitrotoluene	20	0	ug/L	0				0	0		
	Acenaphthylene	20	0	ug/L	0				0	0		
	3-Nitroaniline	20	0	ug/L	0				0	0		
	Acenaphthene	20	0	ug/L	0				0	0		
	2,4-Dinitrophenol	20	0	ug/L	0				0	0		
	4-Nitrophenol	20	0	ug/L	0				0	0		
	Dibenzofuran	20	0	ug/L	0				0	0		
	2,4-Dinitrotoluene	20	0	ug/L	0				0	0		
	Diethylphthalate	20	0	ug/L	0				0	0		
	Fluorene	20	0	ug/L	0				0	0		
	4-Chlorophenyl-phenylether	20	0	ug/L	0				0	0		
	4-Nitroaniline	20	0	ug/L	0				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
SSTDICV020	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	
	1,2,4,5-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	4-Bromophenyl-phenylether	20	0	ug/L	0				0	0	
	Hexachlorobenzene	20	0	ug/L	0				0	0	
	Atrazine	20	0	ug/L	0				0	0	
	Pentachlorophenol	20	0	ug/L	0				0	0	
	Phenanthrene	20	0	ug/L	0				0	0	
	Pentachlorobenzene	20	0	ug/L	0				0	0	
	Anthracene	20	0	ug/L	0				0	0	
	1,2,3,4-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	Carbazole	20	0	ug/L	0				0	0	
	Di-n-butylphthalate	20	0	ug/L	0				0	0	
	Fluoranthene	20	0	ug/L	0				0	0	
	Pyrene	20	0	ug/L	0				0	0	
	Butylbenzylphthalate	20	0	ug/L	0				0	0	
	3,3'-Dichlorobenzidine	20	0	ug/L	0				0	0	
	Benzo(a)anthracene	20	0	ug/L	0				0	0	
	Chrysene	20	0	ug/L	0				0	0	
	Bis(2-ethylhexyl)phthalate	20	0	ug/L	0				0	0	
	Di-n-octylphthalate	20	0	ug/L	0				0	0	
	Benzo(b)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(k)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(a)pyrene	20	0	ug/L	0				0	0	
	Indeno(1,2,3-cd)pyrene	20	0	ug/L	0				0	0	
	Dibenzo(a,h)anthracene	20	0	ug/L	0				0	0	
	Benzo(g,h,i)perylene	20	0	ug/L	0				0	0	
	2,3,4,6-Tetrachlorophenol	20	0	ug/L	0				0	0	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162313BS	1,4-Dioxane	530	360	ug/Kg	68				0	0		
	Benzaldehyde	1300	1000	ug/Kg	77				0	0		
	Pyridine	1300	920	ug/Kg	71				0	0		
	Phenol	1300	1100	ug/Kg	85				0	0		
	Bis(2-chloroethyl)ether	1300	1000	ug/Kg	77				0	0		
	2-Chlorophenol	1300	1100	ug/Kg	85				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	1000	ug/Kg	77				0	0		
	4-Methylphenol	1300	1100	ug/Kg	85				0	0		
	N-Nitroso-di-n-propylamine	1300	1100	ug/Kg	85				0	0		
	Hexachloroethane	1300	1000	ug/Kg	77				0	0		
	Nitrobenzene	1300	1200	ug/Kg	92				0	0		
	Isophorone	1300	1100	ug/Kg	85				0	0		
	2-Nitrophenol	1300	1300	ug/Kg	100				0	0		
	2,4-Dimethylphenol	1300	880	ug/Kg	68				0	0		
	Bis(2-chloroethoxy)methane	1300	1100	ug/Kg	85				0	0		
	2,4-Dichlorophenol	1300	1100	ug/Kg	85				0	0		
	Naphthalene	1300	1100	ug/Kg	85				0	0		
	4-Chloroaniline	1300	940	ug/Kg	72				0	0		
	Hexachlorobutadiene	1300	1000	ug/Kg	77				0	0		
	Caprolactam	1300	1200	ug/Kg	92				0	0		
	4-Chloro-3-methylphenol	1300	1100	ug/Kg	85				0	0		
	1-Methylnaphthalene	1300	1100	ug/Kg	85				0	0		
	2-Methylnaphthalene	1300	1100	ug/Kg	85				0	0		
	Hexachlorocyclopentadiene	1300	900	ug/Kg	69				0	0		
	2,4,6-Trichlorophenol	1300	970	ug/Kg	75				0	0		
	2,4,5-Trichlorophenol	1300	1000	ug/Kg	77				0	0		
	1,1'-Biphenyl	1300	1000	ug/Kg	77				0	0		
	2-Chloronaphthalene	1300	1000	ug/Kg	77				0	0		
	2-Nitroaniline	1300	1200	ug/Kg	92				0	0		
	Dimethylphthalate	1300	1000	ug/Kg	77				0	0		
	2,6-Dinitrotoluene	1300	1300	ug/Kg	100				0	0		
	Acenaphthylene	1300	1100	ug/Kg	85				0	0		
	3-Nitroaniline	1300	1300	ug/Kg	100				0	0		
	Acenaphthene	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrophenol	1300	1200	ug/Kg	92				0	0		
	4-Nitrophenol	1300	1200	ug/Kg	92				0	0		
	Dibenzofuran	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrotoluene	1300	1500	ug/Kg	115				0	0		
	Diethylphthalate	1300	1100	ug/Kg	85				0	0		
	Fluorene	1300	1100	ug/Kg	85				0	0		
	4-Chlorophenyl-phenylether	1300	1100	ug/Kg	85				0	0		
	4-Nitroaniline	1300	1400	ug/Kg	108				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB162313BS	4,6-Dinitro-2-methylphenol	1300	1200	ug/Kg	92				0	0		
	N-Nitrosodiphenylamine	1300	1100	ug/Kg	85				0	0		
	1,2,4,5-Tetrachlorobenzene	1300	1000	ug/Kg	77				0	0		
	4-Bromophenyl-phenylether	1300	1100	ug/Kg	85				0	0		
	Hexachlorobenzene	1300	1100	ug/Kg	85				0	0		
	Atrazine	1300	110	ug/Kg	8				0	0		
	Pentachlorophenol	1300	890	ug/Kg	68				0	0		
	Phenanthrene	1300	1100	ug/Kg	85				0	0		
	Pentachlorobenzene	1300	1000	ug/Kg	77				0	0		
	Anthracene	1300	1100	ug/Kg	85				0	0		
	1,2,3,4-Tetrachlorobenzene	1300	1000	ug/Kg	77				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	1100	ug/Kg	85				0	0		
	Butylbenzylphthalate	1300	1200	ug/Kg	92				0	0		
	3,3'-Dichlorobenzidine	1300	1200	ug/Kg	92				0	0		
	Benzo(a)anthracene	1300	1100	ug/Kg	85				0	0		
	Chrysene	1300	1100	ug/Kg	85				0	0		
	Bis(2-ethylhexyl)phthalate	1300	1200	ug/Kg	92				0	0		
	Di-n-octylphthalate	1300	1200	ug/Kg	92				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	960	ug/Kg	74				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK313

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080524

SAS No.: BG080524 SDG NO.: BG080524

Lab File ID: BG062242.D

Lab Sample ID: PB162313BL

Instrument ID: BNA_G

Date Extracted: 07/26/2024

Matrix: (soil/water) Solid

Date Analyzed: 08/05/2024

Level: (low/med) LOW

Time Analyzed: 17:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162313BS	PB162313BS	BG062240.D	08/05/2024
E20Q0	P3361-20	BG062257.D	08/06/2024
E20Q1	P3361-21	BG062258.D	08/06/2024
E20Q3	P3361-23	BG062259.D	08/06/2024
E20P6	P3361-16	BG062261.D	08/06/2024
E20Q2	P3361-22	BG062262.D	08/06/2024
E20N3	P3361-01	BG062243.D	08/05/2024
E20N5	P3361-02	BG062244.D	08/05/2024
E20N6	P3361-03	BG062245.D	08/05/2024
E20N8	P3361-04	BG062246.D	08/05/2024
E20P0	P3361-08	BG062247.D	08/05/2024
E20P2	P3361-10	BG062248.D	08/05/2024
E20P2MS	P3361-11MS	BG062249.D	08/05/2024
E20P2MSD	P3361-12MSD	BG062250.D	08/05/2024
E20P3	P3361-13	BG062251.D	08/06/2024
E20P4	P3361-14	BG062252.D	08/06/2024
E20P1	P3361-09	BG062260.D	08/06/2024
E20P7	P3361-17	BG062253.D	08/06/2024
E20P9	P3361-19	BG062254.D	08/06/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK406

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080524

SAS No.: BG080524 SDG NO.: BG080524

Lab File ID: BG062256.D

Lab Sample ID: PB162406BL

Instrument ID: BNA_G

Date Extracted: 07/31/2024

Matrix: (soil/water) Water

Date Analyzed: 08/06/2024

Level: (low/med) LOW

Time Analyzed: 04:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3361-11MS	Client Sample ID:	E20P2MS				DataFile:	BG062249.D			
1,4-Dioxane	640		390	ug/Kg	61				15	120	
Benzaldehyde	1600		1300	ug/Kg	81				0	0	
Pyridine	1600		1000	ug/Kg	63				0	0	
Phenol	1600		1200	ug/Kg	75				26	90	
Bis(2-chloroethyl)ether	1600		1100	ug/Kg	69				0	0	
2-Chlorophenol	1600		1200	ug/Kg	75				25	102	
2-Methylphenol	1600		1200	ug/Kg	75				0	0	
2,2-oxybis(1-Chloropropane)	1600		1100	ug/Kg	69				0	0	
Acetophenone	1600		1200	ug/Kg	75				0	0	
4-Methylphenol	1600		1200	ug/Kg	75				0	0	
N-Nitroso-di-n-propylamine	1600		1200	ug/Kg	75				41	126	
Hexachloroethane	1600		1200	ug/Kg	75				0	0	
Nitrobenzene	1600		1300	ug/Kg	81				0	0	
Isophorone	1600		1100	ug/Kg	69				0	0	
2-Nitrophenol	1600		1400	ug/Kg	88				0	0	
2,4-Dimethylphenol	1600		1100	ug/Kg	69				0	0	
Bis(2-chloroethoxy)methane	1600		1100	ug/Kg	69				0	0	
2,4-Dichlorophenol	1600		1200	ug/Kg	75				0	0	
Naphthalene	1600		1100	ug/Kg	69				0	0	
4-Chloroaniline	1600		950	ug/Kg	59				0	0	
Hexachlorobutadiene	1600		1100	ug/Kg	69				0	0	
Caprolactam	1600		1200	ug/Kg	75				0	0	
4-Chloro-3-methylphenol	1600		1200	ug/Kg	75				26	103	
1-Methylnaphthalene	1600		1100	ug/Kg	69				0	0	
2-Methylnaphthalene	1600		1200	ug/Kg	75				0	0	
Hexachlorocyclopentadiene	1600		960	ug/Kg	60				0	0	
2,4,6-Trichlorophenol	1600		1200	ug/Kg	75				0	0	
2,4,5-Trichlorophenol	1600		1200	ug/Kg	75				0	0	
1,1'-Biphenyl	1600		1100	ug/Kg	69				0	0	
2-Chloronaphthalene	1600		1100	ug/Kg	69				0	0	
2-Nitroaniline	1600		1400	ug/Kg	88				0	0	
Dimethylphthalate	1600		1100	ug/Kg	69				0	0	
2,6-Dinitrotoluene	1600		1500	ug/Kg	94				0	0	
Acenaphthylene	1600		1100	ug/Kg	69				0	0	
3-Nitroaniline	1600		1300	ug/Kg	81				0	0	
Acenaphthene	1600		1100	ug/Kg	69				31	137	
2,4-Dinitrophenol	1600		1400	ug/Kg	88				0	0	
4-Nitrophenol	1600		1400	ug/Kg	88				11	114	
Dibenzofuran	1600		1100	ug/Kg	69				0	0	
2,4-Dinitrotoluene	1600		1500	ug/Kg	94	*			28	89	
Diethylphthalate	1600		1100	ug/Kg	69				0	0	
Fluorene	1600		1100	ug/Kg	69				0	0	
4-Chlorophenyl-phenylether	1600		1100	ug/Kg	69				0	0	
4-Nitroaniline	1600		1400	ug/Kg	88				0	0	
4,6-Dinitro-2-methylphenol	1600		1500	ug/Kg	94				0	0	
N-Nitrosodiphenylamine	1600		1200	ug/Kg	75				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	1600		1100	ug/Kg	69				0	0	
4-Bromophenyl-phenylether	1600		1200	ug/Kg	75				0	0	
Hexachlorobenzene	1600		1100	ug/Kg	69				0	0	
Atrazine	1600		1100	ug/Kg	69				0	0	
Pentachlorophenol	1600		1300	ug/Kg	81				17	109	
Phenanthrene	1600		1200	ug/Kg	75				0	0	
Pentachlorobenzene	1600		1100	ug/Kg	69				0	0	
Anthracene	1600		1100	ug/Kg	69				0	0	
1,2,3,4-Tetrachlorobenzene	1600		1100	ug/Kg	69				0	0	
Carbazole	1600		1200	ug/Kg	75				0	0	
Di-n-butylphthalate	1600		1200	ug/Kg	75				0	0	
Fluoranthene	1600	66	1200	ug/Kg	71				0	0	
Pyrene	1600	52	1200	ug/Kg	72				35	142	
Butylbenzylphthalate	1600		1300	ug/Kg	81				0	0	
3,3'-Dichlorobenzidine	1600		1100	ug/Kg	69				0	0	
Benzo(a)anthracene	1600		1200	ug/Kg	75				0	0	
Chrysene	1600		1200	ug/Kg	75				0	0	
Bis(2-ethylhexyl)phthalate	1600		1200	ug/Kg	75				0	0	
Di-n-octylphthalate	1600		1200	ug/Kg	75				0	0	
Benzo(b)fluoranthene	1600		1200	ug/Kg	75				0	0	
Benzo(k)fluoranthene	1600		1100	ug/Kg	69				0	0	
Benzo(a)pyrene	1600		1100	ug/Kg	69				0	0	
Indeno(1,2,3-cd)pyrene	1600		1200	ug/Kg	75				0	0	
Dibenzo(a,h)anthracene	1600		1200	ug/Kg	75				0	0	
Benzo(g,h,i)perylene	1600		1200	ug/Kg	75				0	0	
2,3,4,6-Tetrachlorophenol	1600		1300	ug/Kg	81				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P3361-12MSD	Client Sample ID:	E20P2MSD					DataFile:	BG062250.D		
1,4-Dioxane	640		400	ug/Kg	63		3		15	120	50
Benzaldehyde	1600		1300	ug/Kg	81		0		0	0	0
Pyridine	1600		1000	ug/Kg	63		0		0	0	0
Phenol	1600		1200	ug/Kg	75		0		26	90	35
Bis(2-chloroethyl)ether	1600		1200	ug/Kg	75		8	*	0	0	0
2-Chlorophenol	1600		1200	ug/Kg	75		0		25	102	50
2-Methylphenol	1600		1200	ug/Kg	75		0		0	0	0
2,2-oxybis(1-Chloropropane)	1600		1200	ug/Kg	75		8	*	0	0	0
Acetophenone	1600		1200	ug/Kg	75		0		0	0	0
4-Methylphenol	1600		1200	ug/Kg	75		0		0	0	0
N-Nitroso-di-n-propylamine	1600		1200	ug/Kg	75		0		41	126	38
Hexachloroethane	1600		1200	ug/Kg	75		0		0	0	0
Nitrobenzene	1600		1300	ug/Kg	81		0		0	0	0
Isophorone	1600		1100	ug/Kg	69		0		0	0	0
2-Nitrophenol	1600		1500	ug/Kg	94		7	*	0	0	0
2,4-Dimethylphenol	1600		1100	ug/Kg	69		0		0	0	0
Bis(2-chloroethoxy)methane	1600		1200	ug/Kg	75		8	*	0	0	0
2,4-Dichlorophenol	1600		1200	ug/Kg	75		0		0	0	0
Naphthalene	1600		1200	ug/Kg	75		8	*	0	0	0
4-Chloroaniline	1600		980	ug/Kg	61		3	*	0	0	0
Hexachlorobutadiene	1600		1100	ug/Kg	69		0		0	0	0
Caprolactam	1600		1200	ug/Kg	75		0		0	0	0
4-Chloro-3-methylphenol	1600		1300	ug/Kg	81		8		26	103	33
1-Methylnaphthalene	1600		1100	ug/Kg	69		0		0	0	0
2-Methylnaphthalene	1600		1200	ug/Kg	75		0		0	0	0
Hexachlorocyclopentadiene	1600		1000	ug/Kg	63		5	*	0	0	0
2,4,6-Trichlorophenol	1600		1200	ug/Kg	75		0		0	0	0
2,4,5-Trichlorophenol	1600		1200	ug/Kg	75		0		0	0	0
1,1'-Biphenyl	1600		1200	ug/Kg	75		8	*	0	0	0
2-Chloronaphthalene	1600		1200	ug/Kg	75		8	*	0	0	0
2-Nitroaniline	1600		1500	ug/Kg	94		7	*	0	0	0
Dimethylphthalate	1600		1200	ug/Kg	75		8	*	0	0	0
2,6-Dinitrotoluene	1600		1600	ug/Kg	100		6	*	0	0	0
Acenaphthylene	1600		1200	ug/Kg	75		8	*	0	0	0
3-Nitroaniline	1600		1400	ug/Kg	88		8	*	0	0	0
Acenaphthene	1600		1200	ug/Kg	75		8		31	137	19
2,4-Dinitrophenol	1600		1500	ug/Kg	94		7	*	0	0	0
4-Nitrophenol	1600		1400	ug/Kg	88		0		11	114	50
Dibenzofuran	1600		1200	ug/Kg	75		8	*	0	0	0
2,4-Dinitrotoluene	1600		1600	ug/Kg	100	*	6		28	89	47
Diethylphthalate	1600		1100	ug/Kg	69		0		0	0	0
Fluorene	1600		1100	ug/Kg	69		0		0	0	0
4-Chlorophenyl-phenylether	1600		1100	ug/Kg	69		0		0	0	0
4-Nitroaniline	1600		1500	ug/Kg	94		7	*	0	0	0
4,6-Dinitro-2-methylphenol	1600		1600	ug/Kg	100		6	*	0	0	0
N-Nitrosodiphenylamine	1600		1200	ug/Kg	75		0		0	0	0

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	1600		1100	ug/Kg	69	0			0	0	0
4-Bromophenyl-phenylether	1600		1200	ug/Kg	75	0			0	0	0
Hexachlorobenzene	1600		1200	ug/Kg	75	8	*		0	0	0
Atrazine	1600		1100	ug/Kg	69	0			0	0	0
Pentachlorophenol	1600		1400	ug/Kg	88	8			17	109	47
Phenanthrene	1600		1200	ug/Kg	75	0			0	0	0
Pentachlorobenzene	1600		1200	ug/Kg	75	8	*		0	0	0
Anthracene	1600		1200	ug/Kg	75	8	*		0	0	0
1,2,3,4-Tetrachlorobenzene	1600		1200	ug/Kg	75	8	*		0	0	0
Carbazole	1600		1200	ug/Kg	75	0			0	0	0
Di-n-butylphthalate	1600		1300	ug/Kg	81	8	*		0	0	0
Fluoranthene	1600	66	1300	ug/Kg	77	8	*		0	0	0
Pyrene	1600	52	1200	ug/Kg	72	0			35	142	36
Butylbenzylphthalate	1600		1300	ug/Kg	81	0			0	0	0
3,3'-Dichlorobenzidine	1600		1200	ug/Kg	75	8	*		0	0	0
Benzo(a)anthracene	1600		1200	ug/Kg	75	0			0	0	0
Chrysene	1600		1200	ug/Kg	75	0			0	0	0
Bis(2-ethylhexyl)phthalate	1600		1300	ug/Kg	81	8	*		0	0	0
Di-n-octylphthalate	1600		1300	ug/Kg	81	8	*		0	0	0
Benzo(b)fluoranthene	1600		1200	ug/Kg	75	0			0	0	0
Benzo(k)fluoranthene	1600		1200	ug/Kg	75	8	*		0	0	0
Benzo(a)pyrene	1600		1200	ug/Kg	75	8	*		0	0	0
Indeno(1,2,3-cd)pyrene	1600		1200	ug/Kg	75	0			0	0	0
Dibenzo(a,h)anthracene	1600		1200	ug/Kg	75	0			0	0	0
Benzo(g,h,i)perylene	1600		1200	ug/Kg	75	0			0	0	0
2,3,4,6-Tetrachlorophenol	1600		1300	ug/Kg	81	0			0	0	0

Surrogate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-01	E20N3	BG062243.D	1,4-Dioxane-d8	8	4.16	52		15	120
			Pyridine-d5	40	18.67	47		20	120
			Phenol-d5	40	24.11	60		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.98	60		10	150
			2-Chlorophenol-d4	40	23.55	59		15	120
			4-Methylphenol-d8	40	24.84	62		10	140
			Nitrobenzene-d5	40	27.60	69		10	135
			2-Nitrophenol-d4	40	29.63	74		10	120
			2,4-Dichlorophenol-d3	40	24.81	62		10	140
			4-Chloroaniline-d4	40	25.24	63		1	145
			Dimethylphthalate-d6	40	27.56	69		10	145
			Acenaphthylene-d8	40	26.42	66		15	120
			4-Nitrophenol-d4	40	24.77	62		10	150
			Fluorene-d10	40	29.26	73		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.30	53		10	130
			Anthracene-d10	40	28.81	72		10	150
			Pyrene-d10	40	29.62	74		10	130
			Benzo(a)pyrene-d12	40	29.96	75		10	140
P3361-02	E20N5	BG062244.D	1,4-Dioxane-d8	8	5.31	66		15	120
			Pyridine-d5	40	27.71	69		20	120
			Phenol-d5	40	33.34	83		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.79	82		10	150
			2-Chlorophenol-d4	40	32.70	82		15	120
			4-Methylphenol-d8	40	32.84	82		10	140
			Nitrobenzene-d5	40	38.60	97		10	135
			2-Nitrophenol-d4	40	41.13	103		10	120
			2,4-Dichlorophenol-d3	40	33.51	84		10	140
			4-Chloroaniline-d4	40	31.62	79		1	145
			Dimethylphthalate-d6	40	34.25	86		10	145
			Acenaphthylene-d8	40	34.31	86		15	120
			4-Nitrophenol-d4	40	32.27	81		10	150
			Fluorene-d10	40	37.34	93		20	140
			4,6-Dinitro-2-methylphenol-d2	40	29.77	74		10	130
			Anthracene-d10	40	32.84	82		10	150
			Pyrene-d10	40	34.09	85		10	130
			Benzo(a)pyrene-d12	40	34.35	86		10	140
P3361-03	E20N6	BG062245.D	1,4-Dioxane-d8	8	5.95	74		15	120
			Pyridine-d5	40	27.27	68		20	120
			Phenol-d5	40	31.92	80		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.85	80		10	150
			2-Chlorophenol-d4	40	31.56	79		15	120
			4-Methylphenol-d8	40	31.67	79		10	140
			Nitrobenzene-d5	40	37.72	94		10	135
			2-Nitrophenol-d4	40	39.78	99		10	120
			2,4-Dichlorophenol-d3	40	31.81	80		10	140
			4-Chloroaniline-d4	40	30.80	77		1	145
			Dimethylphthalate-d6	40	31.23	78		10	145
			Acenaphthylene-d8	40	31.47	79		15	120
			4-Nitrophenol-d4	40	29.82	75		10	150

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-03	E20N6	BG062245.D	Fluorene-d10	40	34.28	86		20	140
			4,6-Dinitro-2-methylphenol-d2	40	27.28	68		10	130
			Anthracene-d10	40	31.13	78		10	150
			Pyrene-d10	40	31.84	80		10	130
			Benzo(a)pyrene-d12	40	31.76	79		10	140
P3361-04	E20N8	BG062246.D	1,4-Dioxane-d8	8	5.02	63		15	120
			Pyridine-d5	40	18.27	46		20	120
			Phenol-d5	40	21.70	54		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.88	55		10	150
			2-Chlorophenol-d4	40	21.33	53		15	120
			4-Methylphenol-d8	40	21.96	55		10	140
			Nitrobenzene-d5	40	25.52	64		10	135
			2-Nitrophenol-d4	40	27.15	68		10	120
			2,4-Dichlorophenol-d3	40	22.27	56		10	140
			4-Chloroaniline-d4	40	22.18	55		1	145
			Dimethylphthalate-d6	40	22.85	57		10	145
			Acenaphthylene-d8	40	22.74	57		15	120
			4-Nitrophenol-d4	40	20.67	52		10	150
			Fluorene-d10	40	24.94	62		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.05	43		10	130
			Anthracene-d10	40	23.51	59		10	150
			Pyrene-d10	40	24.55	61		10	130
			Benzo(a)pyrene-d12	40	23.69	59		10	140
P3361-08	E20P0	BG062247.D	1,4-Dioxane-d8	8	2.90	36		15	120
			Pyridine-d5	40	10.98	27		20	120
			Phenol-d5	40	16.38	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.36	41		10	150
			2-Chlorophenol-d4	40	16.29	41		15	120
			4-Methylphenol-d8	40	16.50	41		10	140
			Nitrobenzene-d5	40	19.17	48		10	135
			2-Nitrophenol-d4	40	19.64	49		10	120
			2,4-Dichlorophenol-d3	40	17.21	43		10	140
			4-Chloroaniline-d4	40	14.49	36		1	145
			Dimethylphthalate-d6	40	16.14	40		10	145
			Acenaphthylene-d8	40	16.25	41		15	120
			4-Nitrophenol-d4	40	12.73	32		10	150
			Fluorene-d10	40	17.99	45		20	140
			4,6-Dinitro-2-methylphenol-d2	40	13.52	34		10	130
			Anthracene-d10	40	17.60	44		10	150
			Pyrene-d10	40	18.87	47		10	130
			Benzo(a)pyrene-d12	40	18.32	46		10	140
P3361-09	E20P1	BG062260.D	1,4-Dioxane-d8	8	2.84	36		15	120
			Pyridine-d5	40	16.80	42		20	120
			Phenol-d5	40	20.72	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.55	54		10	150
			2-Chlorophenol-d4	40	21.20	53		15	120
			4-Methylphenol-d8	40	17.04	43		10	140
			Nitrobenzene-d5	40	26.75	67		10	135
			2-Nitrophenol-d4	40	29.38	73		10	120

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-09	E20P1	BG062260.D	2,4-Dichlorophenol-d3	40	21.76	54		10	140
			4-Chloroaniline-d4	40	19.97	50		1	145
			Dimethylphthalate-d6	40	22.33	56		10	145
			Acenaphthylene-d8	40	23.03	58		15	120
			4-Nitrophenol-d4	40	19.68	49		10	150
			Fluorene-d10	40	22.73	57		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.53	54		10	130
			Anthracene-d10	40	23.34	58		10	150
			Pyrene-d10	40	24.41	61		10	130
			Benzo(a)pyrene-d12	40	23.59	59		10	140
P3361-10	E20P2	BG062248.D	1,4-Dioxane-d8	8	4.42	55		15	120
			Pyridine-d5	40	18.37	46		20	120
			Phenol-d5	40	26.04	65		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.23	63		10	150
			2-Chlorophenol-d4	40	25.59	64		15	120
			4-Methylphenol-d8	40	26.01	65		10	140
			Nitrobenzene-d5	40	30.14	75		10	135
			2-Nitrophenol-d4	40	33.26	83		10	120
			2,4-Dichlorophenol-d3	40	26.90	67		10	140
			4-Chloroaniline-d4	40	24.18	60		1	145
			Dimethylphthalate-d6	40	26.86	67		10	145
			Acenaphthylene-d8	40	26.77	67		15	120
			4-Nitrophenol-d4	40	24.77	62		10	150
			Fluorene-d10	40	26.91	67		20	140
			4,6-Dinitro-2-methylphenol-d2	40	25.27	63		10	130
			Anthracene-d10	40	27.47	69		10	150
			Pyrene-d10	40	28.63	72		10	130
			Benzo(a)pyrene-d12	40	28.15	70		10	140
P3361-11MS	E20P2MS	BG062249.D	1,4-Dioxane-d8	8	4.27	53		15	120
			Pyridine-d5	40	16.74	42		20	120
			Phenol-d5	40	25.14	63		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.55	59		10	150
			2-Chlorophenol-d4	40	25.67	64		15	120
			4-Methylphenol-d8	40	25.01	63		10	140
			Nitrobenzene-d5	40	28.34	71		10	135
			2-Nitrophenol-d4	40	32.25	81		10	120
			2,4-Dichlorophenol-d3	40	26.23	66		10	140
			4-Chloroaniline-d4	40	21.84	55		1	145
			Dimethylphthalate-d6	40	24.56	61		10	145
			Acenaphthylene-d8	40	24.85	62		15	120
			4-Nitrophenol-d4	40	25.73	64		10	150
			Fluorene-d10	40	24.48	61		20	140
			4,6-Dinitro-2-methylphenol-d2	40	30.99	77		10	130
			Anthracene-d10	40	24.82	62		10	150
			Pyrene-d10	40	26.53	66		10	130
			Benzo(a)pyrene-d12	40	26.02	65		10	140
P3361-12MSD	E20P2MSD	BG062250.D	1,4-Dioxane-d8	8	4.20	53		15	120
			Pyridine-d5	40	17.13	43		20	120
			Phenol-d5	40	25.03	63		10	130

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-12MSD	E20P2MSD	BG062250.D	Bis(2-Chloroethyl)ether-d8	40	24.10	60		10	150
			2-Chlorophenol-d4	40	26.01	65		15	120
			4-Methylphenol-d8	40	25.04	63		10	140
			Nitrobenzene-d5	40	29.97	75		10	135
			2-Nitrophenol-d4	40	33.07	83		10	120
			2,4-Dichlorophenol-d3	40	26.81	67		10	140
			4-Chloroaniline-d4	40	22.29	56		1	145
			Dimethylphthalate-d6	40	25.68	64		10	145
			Acenaphthylene-d8	40	26.02	65		15	120
			4-Nitrophenol-d4	40	27.41	69		10	150
			Fluorene-d10	40	25.62	64		20	140
			4,6-Dinitro-2-methylphenol-d2	40	32.35	81		10	130
			Anthracene-d10	40	26.12	65		10	150
			Pyrene-d10	40	27.10	68		10	130
			Benzo(a)pyrene-d12	40	26.81	67		10	140
P3361-13	E20P3	BG062251.D	1,4-Dioxane-d8	8	3.03	38		15	120
			Pyridine-d5	40	14.15	35		20	120
			Phenol-d5	40	16.45	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.66	42		10	150
			2-Chlorophenol-d4	40	17.13	43		15	120
			4-Methylphenol-d8	40	17.11	43		10	140
			Nitrobenzene-d5	40	20.13	50		10	135
			2-Nitrophenol-d4	40	21.94	55		10	120
			2,4-Dichlorophenol-d3	40	17.22	43		10	140
			4-Chloroaniline-d4	40	17.61	44		1	145
			Dimethylphthalate-d6	40	18.26	46		10	145
			Acenaphthylene-d8	40	18.18	45		15	120
			4-Nitrophenol-d4	40	16.70	42		10	150
			Fluorene-d10	40	18.52	46		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.87	37		10	130
			Anthracene-d10	40	18.72	47		10	150
			Pyrene-d10	40	19.24	48		10	130
P3361-14	E20P4	BG062252.D	Benzo(a)pyrene-d12	40	18.99	47		10	140
			1,4-Dioxane-d8	8	4.51	56		15	120
			Pyridine-d5	40	22.60	56		20	120
			Phenol-d5	40	26.35	66		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.65	67		10	150
			2-Chlorophenol-d4	40	27.37	68		15	120
			4-Methylphenol-d8	40	26.75	67		10	140
			Nitrobenzene-d5	40	30.25	76		10	135
			2-Nitrophenol-d4	40	34.03	85		10	120
			2,4-Dichlorophenol-d3	40	26.38	66		10	140
			4-Chloroaniline-d4	40	26.08	65		1	145
			Dimethylphthalate-d6	40	26.84	67		10	145
			Acenaphthylene-d8	40	26.90	67		15	120
			4-Nitrophenol-d4	40	25.59	64		10	150
			Fluorene-d10	40	27.40	69		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.18	60		10	130
			Anthracene-d10	40	27.35	68		10	150

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-14	E20P4	BG062252.D	Pyrene-d10	40	27.54	69		10	130
			Benzo(a)pyrene-d12	40	27.96	70		10	140
P3361-16	E20P6	BG062261.D	1,4-Dioxane-d8	8	3.51	44		15	120
			Pyridine-d5	40	17.33	43		20	120
			Phenol-d5	40	21.30	53		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.03	53		10	150
			2-Chlorophenol-d4	40	21.61	54		15	120
			4-Methylphenol-d8	40	22.32	56		10	140
			Nitrobenzene-d5	40	25.52	64		10	135
			2-Nitrophenol-d4	40	27.72	69		10	120
			2,4-Dichlorophenol-d3	40	22.74	57		10	140
			4-Chloroaniline-d4	40	21.62	54		1	145
			Dimethylphthalate-d6	40	23.65	59		10	145
			Acenaphthylene-d8	40	23.42	59		15	120
			4-Nitrophenol-d4	40	22.79	57		10	150
			Fluorene-d10	40	24.30	61		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.08	53		10	130
			Anthracene-d10	40	23.59	59		10	150
			Pyrene-d10	40	25.61	64		10	130
			Benzo(a)pyrene-d12	40	24.99	62		10	140
P3361-17	E20P7	BG062253.D	1,4-Dioxane-d8	8	3.68	46		15	120
			Pyridine-d5	40	19.04	48		20	120
			Phenol-d5	40	21.13	53		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.95	55		10	150
			2-Chlorophenol-d4	40	21.94	55		15	120
			4-Methylphenol-d8	40	23.00	57		10	140
			Nitrobenzene-d5	40	23.87	60		10	135
			2-Nitrophenol-d4	40	27.81	70		10	120
			2,4-Dichlorophenol-d3	40	21.63	54		10	140
			4-Chloroaniline-d4	40	22.31	56		1	145
			Dimethylphthalate-d6	40	22.41	56		10	145
			Acenaphthylene-d8	40	22.37	56		15	120
			4-Nitrophenol-d4	40	20.01	50		10	150
			Fluorene-d10	40	22.77	57		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.98	45		10	130
			Anthracene-d10	40	23.57	59		10	150
			Pyrene-d10	40	23.78	59		10	130
			Benzo(a)pyrene-d12	40	23.42	59		10	140
P3361-19	E20P9	BG062254.D	1,4-Dioxane-d8	8	3.68	46		15	120
			Pyridine-d5	40	17.52	44		20	120
			Phenol-d5	40	19.60	49		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.24	48		10	150
			2-Chlorophenol-d4	40	19.96	50		15	120
			4-Methylphenol-d8	40	20.18	50		10	140
			Nitrobenzene-d5	40	21.92	55		10	135
			2-Nitrophenol-d4	40	25.01	63		10	120
			2,4-Dichlorophenol-d3	40	20.03	50		10	140
			4-Chloroaniline-d4	40	20.48	51		1	145
			Dimethylphthalate-d6	40	20.51	51		10	145

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-19	E20P9	BG062254.D	Acenaphthylene-d8	40	20.29	51		15	120
			4-Nitrophenol-d4	40	18.02	45		10	150
			Fluorene-d10	40	20.70	52		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.16	43		10	130
			Anthracene-d10	40	21.37	53		10	150
			Pyrene-d10	40	21.64	54		10	130
			Benzo(a)pyrene-d12	40	21.36	53		10	140
P3361-20	E20Q0	BG062257.D	1,4-Dioxane-d8	8	3.31	41		15	120
			Pyridine-d5	40	16.80	42		20	120
			Phenol-d5	40	18.15	45		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.67	47		10	150
			2-Chlorophenol-d4	40	19.07	48		15	120
			4-Methylphenol-d8	40	18.76	47		10	140
			Nitrobenzene-d5	40	21.86	55		10	135
			2-Nitrophenol-d4	40	23.53	59		10	120
			2,4-Dichlorophenol-d3	40	18.79	47		10	140
			4-Chloroaniline-d4	40	18.58	46		1	145
			Dimethylphthalate-d6	40	18.34	46		10	145
			Acenaphthylene-d8	40	18.59	46		15	120
			4-Nitrophenol-d4	40	15.31	38		10	150
			Fluorene-d10	40	18.63	47		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.62	37		10	130
			Anthracene-d10	40	18.50	46		10	150
			Pyrene-d10	40	18.97	47		10	130
			Benzo(a)pyrene-d12	40	18.99	47		10	140
			1,4-Dioxane-d8	8	3.47	43		15	120
			Pyridine-d5	40	17.63	44		20	120
P3361-21	E20Q1	BG062258.D	Phenol-d5	40	19.60	49		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.47	49		10	150
			2-Chlorophenol-d4	40	19.62	49		15	120
			4-Methylphenol-d8	40	20.07	50		10	140
			Nitrobenzene-d5	40	22.11	55		10	135
			2-Nitrophenol-d4	40	24.45	61		10	120
			2,4-Dichlorophenol-d3	40	19.47	49		10	140
			4-Chloroaniline-d4	40	19.46	49		1	145
			Dimethylphthalate-d6	40	19.69	49		10	145
			Acenaphthylene-d8	40	19.68	49		15	120
			4-Nitrophenol-d4	40	17.95	45		10	150
			Fluorene-d10	40	20.16	50		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.12	43		10	130
			Anthracene-d10	40	19.88	50		10	150
			Pyrene-d10	40	20.35	51		10	130
			Benzo(a)pyrene-d12	40	19.93	50		10	140
			1,4-Dioxane-d8	8	3.91	49		15	120
			Pyridine-d5	40	19.94	50		20	120
			Phenol-d5	40	24.00	60		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.28	58		10	150
P3361-22	E20Q2	BG062262.D	2-Chlorophenol-d4	40	23.85	60		15	120
			4-Methylphenol-d8	40	24.12	60		10	140

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3361-22	E20Q2	BG062262.D	Nitrobenzene-d5	40	27.77	69		10	135
			2-Nitrophenol-d4	40	30.30	76		10	120
			2,4-Dichlorophenol-d3	40	24.42	61		10	140
			4-Chloroaniline-d4	40	22.43	56		1	145
			Dimethylphthalate-d6	40	24.07	60		10	145
			Acenaphthylene-d8	40	24.31	61		15	120
			4-Nitrophenol-d4	40	21.34	53		10	150
			Fluorene-d10	40	24.55	61		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.93	55		10	130
			Anthracene-d10	40	23.87	60		10	150
			Pyrene-d10	40	25.44	64		10	130
			Benzo(a)pyrene-d12	40	24.84	62		10	140
P3361-23	E20Q3	BG062259.D	1,4-Dioxane-d8	8	4.17	52		15	120
			Pyridine-d5	40	20.53	51		20	120
			Phenol-d5	40	22.79	57		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.32	58		10	150
			2-Chlorophenol-d4	40	23.42	59		15	120
			4-Methylphenol-d8	40	22.99	57		10	140
			Nitrobenzene-d5	40	26.91	67		10	135
			2-Nitrophenol-d4	40	28.90	72		10	120
			2,4-Dichlorophenol-d3	40	22.95	57		10	140
			4-Chloroaniline-d4	40	23.00	58		1	145
			Dimethylphthalate-d6	40	22.94	57		10	145
			Acenaphthylene-d8	40	23.09	58		15	120
			4-Nitrophenol-d4	40	20.05	50		10	150
			Fluorene-d10	40	23.30	58		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.18	48		10	130
			Anthracene-d10	40	23.24	58		10	150
			Pyrene-d10	40	23.52	59		10	130
			Benzo(a)pyrene-d12	40	23.62	59		10	140
PB162313BL	PB162313BL	BG062242.D	Pyridine-d5	40	26.08	65		20	120
		BG062239.D	1,4-Dioxane-d8	8	5.58	70		15	120
			Pyridine-d5	40	26.88	67		20	120
		BG062242.D	1,4-Dioxane-d8	8	5.67	71		15	120
		BG062239.D	Phenol-d5	40	25.71	64		10	130
		BG062242.D	Phenol-d5	40	26.77	67		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.13	68		10	150
		BG062239.D	Bis(2-Chloroethyl)ether-d8	40	26.30	66		10	150
			2-Chlorophenol-d4	40	27.26	68		15	120
		BG062242.D	2-Chlorophenol-d4	40	26.25	66		15	120
		BG062239.D	4-Methylphenol-d8	40	25.93	65		10	140
		BG062242.D	4-Methylphenol-d8	40	26.54	66		10	140
			Nitrobenzene-d5	40	31.19	78		10	135
		BG062239.D	Nitrobenzene-d5	40	31.47	79		10	135
			2-Nitrophenol-d4	40	31.58	79		10	120
		BG062242.D	2-Nitrophenol-d4	40	32.54	81		10	120
			2,4-Dichlorophenol-d3	40	26.51	66		10	140
		BG062239.D	2,4-Dichlorophenol-d3	40	25.97	65		10	140
			4-Chloroaniline-d4	40	27.41	69		1	145

Surrogate Summary

SW-846

SDG No.: **BG080524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162313BL	PB162313BL	BG062242.D	4-Chloroaniline-d4	40	27.49	69		1	145
			Dimethylphthalate-d6	40	27.94	70		10	145
		BG062239.D	Dimethylphthalate-d6	40	25.73	64		10	145
			Acenaphthylene-d8	40	25.03	63		15	120
		BG062242.D	Acenaphthylene-d8	40	27.11	68		15	120
			4-Nitrophenol-d4	40	25.16	63		10	150
		BG062239.D	4-Nitrophenol-d4	40	25.81	65		10	150
			Fluorene-d10	40	27.38	68		20	140
		BG062242.D	Fluorene-d10	40	29.75	74		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.82	50		10	130
		BG062242.D	4,6-Dinitro-2-methylphenol-d2	40	20.87	52		10	130
			Anthracene-d10	40	28.04	70		10	150
		BG062242.D	Anthracene-d10	40	28.00	70		10	150
			Pyrene-d10	40	27.87	70		10	130
		BG062239.D	Pyrene-d10	40	28.55	71		10	130
			Benzo(a)pyrene-d12	40	27.92	70		10	140
		BG062242.D	Benzo(a)pyrene-d12	40	27.81	70		10	140
PB162313BS	PB162313BS	BG062240.D	Pyridine-d5	40	26.95	67		20	120
			1,4-Dioxane-d8	8	6.46	81		15	120
			Phenol-d5	40	31.92	80		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.88	75		10	150
			2-Chlorophenol-d4	40	30.66	77		15	120
			4-Methylphenol-d8	40	30.98	77		10	140
			Nitrobenzene-d5	40	36.21	91		10	135
			2-Nitrophenol-d4	40	38.84	97		10	120
			2,4-Dichlorophenol-d3	40	33.11	83		10	140
			4-Chloroaniline-d4	40	29.41	74		1	145
			Dimethylphthalate-d6	40	30.50	76		10	145
			Acenaphthylene-d8	40	30.49	76		15	120
			4-Nitrophenol-d4	40	36.40	91		10	150
			Fluorene-d10	40	32.63	82		20	140
			4,6-Dinitro-2-methylphenol-d2	40	37.43	94		10	130
			Anthracene-d10	40	31.91	80		10	150
			Pyrene-d10	40	33.03	83		10	130
			Benzo(a)pyrene-d12	40	32.23	81		10	140

Surrogate Summary

SW-846

SDG No.: BG080524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162406BL	PB162406BL	BG062256.D	Pyridine-d5	40	21.90	55		20	120
			1,4-Dioxane-d8	8	4.28	54		15	120
			Phenol-d5	40	26.07	65		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.20	68		25	120
			2-Chlorophenol-d4	40	26.20	65		20	130
			4-Methylphenol-d8	40	25.85	65		25	125
			Nitrobenzene-d5	40	31.13	78		20	125
			2-Nitrophenol-d4	40	36.72	92		20	130
			2,4-Dichlorophenol-d3	40	25.41	64		20	120
			4-Chloroaniline-d4	40	25.53	64		1	146
			Dimethylphthalate-d6	40	24.53	61		25	130
			Acenaphthylene-d8	40	24.44	61		10	130
			4-Nitrophenol-d4	40	27.60	69		10	150
			Fluorene-d10	40	24.64	62		25	125
			4,6-Dinitro-2-methylphenol-d2	40	32.11	80		10	130
			Anthracene-d10	40	23.20	58		25	130
			Pyrene-d10	40	25.37	63		15	130
			Benzo(a)pyrene-d12	40	25.24	63		20	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG080524

Lab Code: CHEM

SAS No.: BG080524 SDG NO.: BG080524

Lab File ID: BG062231.D

DFTPP Injection Date: 08/05/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.8
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	12.9
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	14.8 (18.6) 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
SSTD005425	SSTD00540	BG062232.D	08/05/2024	10:38
SSTD010426	SSTD01041	BG062233.D	08/05/2024	11:19
SSTD020427	SSTD02042	BG062234.D	08/05/2024	12:00
SSTD040428	SSTD04043	BG062235.D	08/05/2024	12:40
SSTD080429	SSTD08044	BG062236.D	08/05/2024	13:21
SSTD160430	SSTD16045	BG062237.D	08/05/2024	14:03
SICV431	SSTDICV020	BG062238.D	08/05/2024	14:55
SBLK313	PB162313BL	BG062239.D	08/05/2024	15:51
SLCS313	PB162313BS	BG062240.D	08/05/2024	16:33
SSTD020589	SSTDCCC020	BG062241.D	08/05/2024	17:15
SBLK313	PB162313BL	BG062242.D	08/05/2024	17:57
E20N3	P3361-01	BG062243.D	08/05/2024	18:39
E20N5	P3361-02	BG062244.D	08/05/2024	19:21
E20N6	P3361-03	BG062245.D	08/05/2024	20:03
E20N8	P3361-04	BG062246.D	08/05/2024	20:45
E20P0	P3361-08	BG062247.D	08/05/2024	21:27
E20P2	P3361-10	BG062248.D	08/05/2024	22:09
E20P2MS	P3361-11MS	BG062249.D	08/05/2024	22:50

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG080524

Lab Code: CHEM

SAS No.: BG080524 SDG NO.: BG080524

Lab File ID: BG062231.D

DFTPP Injection Date: 08/05/2024

Instrument ID: BNA_G

DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.8
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	12.9
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	14.8 (18.6) 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
E20P2MSD	P3361-12MSD	BG062250.D	08/05/2024	23:32
E20P3	P3361-13	BG062251.D	08/06/2024	00:13
E20P4	P3361-14	BG062252.D	08/06/2024	00:55
E20P7	P3361-17	BG062253.D	08/06/2024	01:36
E20P9	P3361-19	BG062254.D	08/06/2024	02:17
SSTD020590	SSTDCCC020	BG062255.D	08/06/2024	03:40
SBLK406	PB162406BL	BG062256.D	08/06/2024	04:21
E20Q0	P3361-20	BG062257.D	08/06/2024	05:03
E20Q1	P3361-21	BG062258.D	08/06/2024	05:44
E20Q3	P3361-23	BG062259.D	08/06/2024	06:26
E20P1	P3361-09	BG062260.D	08/06/2024	07:07
E20P6	P3361-16	BG062261.D	08/06/2024	07:49
E20Q2	P3361-22	BG062262.D	08/06/2024	08:30