

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG No.: BP080723

Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:09:53

Lab File ID: BP016509.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020676 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.591	0.609	0.010	3.1359	40.0
Benzaldehyde	0.821	1.008	0.010	22.7703	40.0
Pyridine	1.472	1.528	0.010	3.8427	40.0
Phenol	1.635	1.698	0.080	3.8372	20.0
Bis(2-Chloroethyl) ether	1.355	1.409	0.100	4.0163	20.0
2-Chlorophenol	1.313	1.363	0.200	3.7752	20.0
2-Methylphenol	1.203	1.220	0.010	1.4319	20.0
2,2-oxybis(1-Chloropropane)	1.622	1.704	0.010	5.0607	40.0
Acetophenone	1.868	1.960	0.060	4.9176	20.0
4-Methylphenol	1.279	1.302	0.010	1.776	20.0
N-Nitroso-di-n-propylamine	0.880	0.901	0.050	2.4683	30.0
Hexachloroethane	0.558	0.566	0.100	1.2814	20.0
Nitrobenzene	0.365	0.380	0.050	4.1319	25.0
Isophorone	0.634	0.659	0.050	3.9981	25.0
2-Nitrophenol	0.157	0.166	0.050	5.6559	25.0
2,4-Dimethylphenol	0.338	0.358	0.050	5.9935	25.0
Bis(2-Chloroethoxy) methane	0.430	0.448	0.050	4.1044	20.0
2,4-Dichlorophenol	0.281	0.299	0.060	6.3501	20.0
Naphthalene	1.036	1.082	0.200	4.4222	20.0
4-Chloroaniline	0.399	0.419	0.010	5.0691	40.0
Hexachlorobutadiene	0.189	0.195	0.040	3.1961	30.0
Caprolactam	0.084	0.075	0.010	-10.8294	40.0
4-Chloro-3-methylphenol	0.277	0.291	0.040	4.9942	25.0
1-Methylnaphthalene	0.654	0.681	0.100	4.2301	20.0
2-Methylnaphthalene	0.656	0.681	0.100	3.8536	20.0
Hexachlorocyclopentadiene	0.373	0.372	0.010	-0.2725	40.0
2,4,6-Trichlorophenol	0.362	0.387	0.090	6.7511	25.0
2,4,5-Trichlorophenol	0.393	0.420	0.100	6.8069	25.0
1,1-Biphenyl	1.546	1.622	0.200	4.9549	20.0
2-Chloronaphthalene	1.230	1.292	0.300	5.0213	20.0
2-Nitroaniline	0.289	0.299	0.050	3.3039	40.0
Dimethylphthalate	1.400	1.444	0.300	3.1067	20.0
2,6-Dinitrotoluene	0.246	0.249	0.080	1.1417	30.0
Acenaphthylene	1.935	2.055	0.400	6.2206	20.0
3-Nitroaniline	0.271	0.272	0.010	0.4485	40.0
Acenaphthene	1.272	1.322	0.200	3.9272	20.0
2,4-Dinitrophenol	0.118	0.078	0.010	-33.4331	40.0
4-Nitrophenol	0.194	0.187	0.010	-3.6388	40.0
Dibenzofuran	1.724	1.799	0.300	4.3314	20.0
2,4-Dinitrotoluene	0.347	0.354	0.070	1.8807	30.0
Diethylphthalate	1.344	1.373	0.300	2.1947	20.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG No.: BP080723

Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:09:53

Lab File ID: BP016509.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020676 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.363	1.414	0.200	3.7304	20.0
4-Chlorophenyl-phenylether	0.671	0.693	0.100	3.2844	20.0
4-Nitroaniline	0.239	0.249	0.010	4.1121	40.0
4,6-Dinitro-2-methylphenol	0.099	0.090	0.010	-8.6841	40.0
N-Nitrosodiphenylamine	0.561	0.597	0.050	6.2831	20.0
1,2,4,5-Tetrachlorobenzene	0.633	0.662	0.100	4.5774	20.0
4-Bromophenyl-phenylether	0.196	0.206	0.070	4.7514	20.0
Hexachlorobenzene	0.230	0.239	0.050	3.9568	25.0
Atrazine	0.192	0.196	0.010	2.3482	25.0
Pentachlorophenol	0.134	0.120	0.010	-10.1794	40.0
Phenanthrene	1.043	1.100	0.200	5.4539	20.0
Pentachlorobenzene	0.271	0.287	0.050	6.1291	20.0
Anthracene	1.048	1.102	0.200	5.1536	20.0
1,2,3,4-Tetrachlorobenzene	0.319	0.347	0.050	8.7606	20.0
Carbazole	0.909	0.979	0.050	7.6478	40.0
Di-n-butylphthalate	1.053	1.081	0.500	2.5993	25.0
Fluoranthene	1.308	1.390	0.400	6.3117	25.0
Pyrene	1.382	1.455	0.400	5.2802	25.0
Butylbenzylphthalate	0.508	0.528	0.100	4.085	40.0
3,3-Dichlorobenzidine	0.428	0.441	0.010	3.0644	40.0
Benzo(a)anthracene	1.326	1.412	0.300	6.4979	30.0
Chrysene	1.250	1.304	0.200	4.3632	30.0
Bis(2-ethylhexyl)phthalate	0.726	0.784	0.200	7.9237	40.0
Di-n-octyl phthalate	1.114	1.192	0.010	7.0587	40.0
Benzo(b)fluoranthene	1.180	1.227	0.200	3.9789	25.0
Benzo(k)fluoranthene	1.188	1.257	0.200	5.8817	25.0
Benzo(a)pyrene	1.119	1.186	0.200	5.9412	20.0
Indeno(1,2,3-cd)pyrene	1.383	1.463	0.200	5.8221	25.0
Dibenzo(a,h)anthracene	1.154	1.211	0.200	4.9007	30.0
Benzo(g,h,i)perylene	1.117	1.176	0.200	5.3182	30.0
2,3,4,6-Tetrachlorophenol	0.304	0.316	0.040	3.959	20.0
1,4-Dioxane-d8	0.551	0.567	0.010	2.793	25.0
Pyridine-d5	1.433	1.480	0.010	3.2744	40.0
Phenol-d5	1.564	1.606	0.010	2.6877	25.0
Bis-(2-Chloroethyl)ether-d8	0.964	1.010	0.050	4.8545	25.0
2-Chlorophenol-d4	1.263	1.315	0.200	4.1203	20.0
4-Methylphenol-d8	1.206	1.219	0.010	1.0851	20.0
Nitrobenzene-d5	0.145	0.151	0.050	4.5318	20.0
2-Nitrophenol-d4	0.135	0.141	0.050	4.5784	30.0
2,4-Dichlorophenol-d3	0.275	0.294	0.060	6.8803	20.0
4-Chloroaniline-d4	0.405	0.424	0.010	4.6266	40.0



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EPA Sample No.: SSTD020676 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.383	1.420	0.300	2.6743	20.0
Acenaphthylene-d8	1.665	1.780	0.400	6.8631	20.0
4-Nitrophenol-d4	0.260	0.238	0.010	-8.4295	40.0
Fluorene-d10	1.188	1.233	0.100	3.7982	20.0
4,6-Dinitro-2-methylphenol-d2	0.088	0.076	0.010	-13.4664	40.0
Anthracene-d10	0.863	0.925	0.300	7.1105	20.0
Pyrene-d10	1.097	1.168	0.300	6.5378	25.0
Benzo(a)pyrene-d12	0.958	1.022	0.010	6.7135	20.0

All other compounds must meet a minimum RRF of 0.010.



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG No.: BP080723

Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:15:00

Lab File ID: BP016518.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020677 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.591	0.599	0.010	1.3582	40.0
Benzaldehyde	0.821	1.006	0.010	22.5929	40.0
Pyridine	1.472	1.518	0.010	3.1359	40.0
Phenol	1.635	1.690	0.080	3.3741	20.0
Bis(2-Chloroethyl) ether	1.355	1.398	0.100	3.224	20.0
2-Chlorophenol	1.313	1.362	0.200	3.7433	20.0
2-Methylphenol	1.203	1.225	0.010	1.8244	20.0
2,2-oxybis(1-Chloropropane)	1.622	1.672	0.010	3.0354	40.0
Acetophenone	1.868	1.935	0.060	3.5958	20.0
4-Methylphenol	1.279	1.289	0.010	0.7413	20.0
N-Nitroso-di-n-propylamine	0.880	0.900	0.050	2.3283	30.0
Hexachloroethane	0.558	0.575	0.100	3.015	20.0
Nitrobenzene	0.365	0.385	0.050	5.5488	25.0
Isophorone	0.634	0.661	0.050	4.3311	25.0
2-Nitrophenol	0.157	0.170	0.050	8.5658	25.0
2,4-Dimethylphenol	0.338	0.355	0.050	5.0586	25.0
Bis(2-Chloroethoxy) methane	0.430	0.445	0.050	3.4138	20.0
2,4-Dichlorophenol	0.281	0.298	0.060	5.8092	20.0
Naphthalene	1.036	1.079	0.200	4.1036	20.0
4-Chloroaniline	0.399	0.416	0.010	4.3758	40.0
Hexachlorobutadiene	0.189	0.200	0.040	6.012	30.0
Caprolactam	0.084	0.077	0.010	-8.9514	40.0
4-Chloro-3-methylphenol	0.277	0.288	0.040	4.1062	25.0
1-Methylnaphthalene	0.654	0.676	0.100	3.4561	20.0
2-Methylnaphthalene	0.656	0.677	0.100	3.2786	20.0
Hexachlorocyclopentadiene	0.373	0.390	0.010	4.7702	40.0
2,4,6-Trichlorophenol	0.362	0.395	0.090	9.0904	25.0
2,4,5-Trichlorophenol	0.393	0.424	0.100	7.9583	25.0
1,1-Biphenyl	1.546	1.628	0.200	5.2865	20.0
2-Chloronaphthalene	1.230	1.291	0.300	4.9589	20.0
2-Nitroaniline	0.289	0.306	0.050	5.7005	40.0
Dimethylphthalate	1.400	1.447	0.300	3.3458	20.0
2,6-Dinitrotoluene	0.246	0.258	0.080	4.728	30.0
Acenaphthylene	1.935	2.054	0.400	6.1529	20.0
3-Nitroaniline	0.271	0.279	0.010	3.1712	40.0
Acenaphthene	1.272	1.326	0.200	4.2442	20.0
2,4-Dinitrophenol	0.118	0.095	0.010	-19.746	40.0
4-Nitrophenol	0.194	0.197	0.010	1.9215	40.0
Dibenzofuran	1.724	1.789	0.300	3.7364	20.0
2,4-Dinitrotoluene	0.347	0.369	0.070	6.1605	30.0
Diethylphthalate	1.344	1.403	0.300	4.4451	20.0



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Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:15:00

Lab File ID: BP016518.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020677 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.363	1.422	0.200	4.3413	20.0
4-Chlorophenyl-phenylether	0.671	0.702	0.100	4.6395	20.0
4-Nitroaniline	0.239	0.260	0.010	8.8198	40.0
4,6-Dinitro-2-methylphenol	0.099	0.097	0.010	-2.3083	40.0
N-Nitrosodiphenylamine	0.561	0.599	0.050	6.64	20.0
1,2,4,5-Tetrachlorobenzene	0.633	0.668	0.100	5.489	20.0
4-Bromophenyl-phenylether	0.196	0.208	0.070	5.76	20.0
Hexachlorobenzene	0.230	0.244	0.050	6.0673	25.0
Atrazine	0.192	0.200	0.010	4.2991	25.0
Pentachlorophenol	0.134	0.132	0.010	-1.011	40.0
Phenanthrene	1.043	1.102	0.200	5.6814	20.0
Pentachlorobenzene	0.271	0.289	0.050	6.9138	20.0
Anthracene	1.048	1.117	0.200	6.5257	20.0
1,2,3,4-Tetrachlorobenzene	0.319	0.345	0.050	8.1588	20.0
Carbazole	0.909	0.985	0.050	8.3518	40.0
Di-n-butylphthalate	1.053	1.114	0.500	5.789	25.0
Fluoranthene	1.308	1.387	0.400	6.0478	25.0
Pyrene	1.382	1.455	0.400	5.2704	25.0
Butylbenzylphthalate	0.508	0.534	0.100	5.2428	40.0
3,3-Dichlorobenzidine	0.428	0.440	0.010	2.8034	40.0
Benzo(a)anthracene	1.326	1.414	0.300	6.6728	30.0
Chrysene	1.250	1.313	0.200	5.026	30.0
Bis(2-ethylhexyl)phthalate	0.726	0.763	0.200	5.058	40.0
Di-n-octyl phthalate	1.114	1.156	0.010	3.7958	40.0
Benzo(b)fluoranthene	1.180	1.220	0.200	3.3306	25.0
Benzo(k)fluoranthene	1.188	1.264	0.200	6.4198	25.0
Benzo(a)pyrene	1.119	1.190	0.200	6.3284	20.0
Indeno(1,2,3-cd)pyrene	1.383	1.456	0.200	5.3188	25.0
Dibenzo(a,h)anthracene	1.154	1.216	0.200	5.3982	30.0
Benzo(g,h,i)perylene	1.117	1.170	0.200	4.7205	30.0
2,3,4,6-Tetrachlorophenol	0.304	0.324	0.040	6.5176	20.0
1,4-Dioxane-d8	0.551	0.575	0.010	4.2181	25.0
Pyridine-d5	1.433	1.474	0.010	2.8791	40.0
Phenol-d5	1.564	1.608	0.010	2.8113	25.0
Bis-(2-Chloroethyl)ether-d8	0.964	0.999	0.050	3.6825	25.0
2-Chlorophenol-d4	1.263	1.315	0.200	4.0712	20.0
4-Methylphenol-d8	1.206	1.206	0.010	0.0307	20.0
Nitrobenzene-d5	0.145	0.154	0.050	6.5462	20.0
2-Nitrophenol-d4	0.135	0.148	0.050	9.3799	30.0
2,4-Dichlorophenol-d3	0.275	0.294	0.060	7.0254	20.0
4-Chloroaniline-d4	0.405	0.422	0.010	4.1327	40.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:15:00

Lab File ID: BP016518.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020677 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.383	1.437	0.300	3.9248	20.0
Acenaphthylene-d8	1.665	1.775	0.400	6.5857	20.0
4-Nitrophenol-d4	0.260	0.254	0.010	-2.5461	40.0
Fluorene-d10	1.188	1.244	0.100	4.7172	20.0
4,6-Dinitro-2-methylphenol-d2	0.088	0.082	0.010	-6.5686	40.0
Anthracene-d10	0.863	0.924	0.300	7.0526	20.0
Pyrene-d10	1.097	1.168	0.300	6.5322	25.0
Benzo(a)pyrene-d12	0.958	1.013	0.010	5.7829	20.0

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG No.: BP080723

Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:20:16

Lab File ID: BP016527.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020678 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.591	0.611	0.010	3.4298	50.0
Benzaldehyde	0.821	1.012	0.010	23.2367	50.0
Pyridine	1.472	1.526	0.010	3.6933	50.0
Phenol	1.635	1.701	0.080	4.0391	50.0
Bis(2-Chloroethyl)ether	1.355	1.414	0.100	4.3829	50.0
2-Chlorophenol	1.313	1.359	0.200	3.5078	50.0
2-Methylphenol	1.203	1.220	0.010	1.4453	50.0
2,2-oxybis(1-Chloropropane)	1.622	1.702	0.010	4.8842	50.0
Acetophenone	1.868	1.950	0.060	4.4087	50.0
4-Methylphenol	1.279	1.301	0.010	1.6904	50.0
N-Nitroso-di-n-propylamine	0.880	0.915	0.050	4.0732	50.0
Hexachloroethane	0.558	0.573	0.100	2.6372	50.0
Nitrobenzene	0.365	0.386	0.050	5.9265	50.0
Isophorone	0.634	0.663	0.050	4.7097	50.0
2-Nitrophenol	0.157	0.169	0.050	7.7698	50.0
2,4-Dimethylphenol	0.338	0.355	0.050	4.9645	50.0
Bis(2-Chloroethoxy)methane	0.430	0.450	0.050	4.521	50.0
2,4-Dichlorophenol	0.281	0.297	0.060	5.42	50.0
Naphthalene	1.036	1.081	0.200	4.3087	50.0
4-Chloroaniline	0.399	0.415	0.010	4.2095	50.0
Hexachlorobutadiene	0.189	0.198	0.040	4.9623	50.0
Caprolactam	0.084	0.076	0.010	-9.2723	50.0
4-Chloro-3-methylphenol	0.277	0.291	0.040	4.9666	50.0
1-Methylnaphthalene	0.654	0.683	0.100	4.4749	50.0
2-Methylnaphthalene	0.656	0.680	0.100	3.7376	50.0
Hexachlorocyclopentadiene	0.373	0.390	0.010	4.5388	50.0
2,4,6-Trichlorophenol	0.362	0.397	0.090	9.7298	50.0
2,4,5-Trichlorophenol	0.393	0.418	0.100	6.2069	50.0
1,1-Biphenyl	1.546	1.638	0.200	5.9321	50.0
2-Chloronaphthalene	1.230	1.297	0.300	5.4812	50.0
2-Nitroaniline	0.289	0.307	0.050	5.9421	50.0
Dimethylphthalate	1.400	1.452	0.300	3.6815	50.0
2,6-Dinitrotoluene	0.246	0.261	0.080	5.8221	50.0
Acenaphthylene	1.935	2.063	0.400	6.6099	50.0
3-Nitroaniline	0.271	0.278	0.010	2.6947	50.0
Acenaphthene	1.272	1.329	0.200	4.4984	50.0
2,4-Dinitrophenol	0.118	0.092	0.010	-21.763	50.0
4-Nitrophenol	0.194	0.194	0.010	-0.0362	50.0
Dibenzofuran	1.724	1.802	0.300	4.51	50.0
2,4-Dinitrotoluene	0.347	0.362	0.070	4.2102	50.0
Diethylphthalate	1.344	1.387	0.300	3.2196	50.0



7C

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Lab File ID: BP016527.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020678 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.363	1.424	0.200	4.4693	50.0
4-Chlorophenyl-phenylether	0.671	0.694	0.100	3.4284	50.0
4-Nitroaniline	0.239	0.254	0.010	6.0747	50.0
4,6-Dinitro-2-methylphenol	0.099	0.093	0.010	-5.5996	50.0
N-Nitrosodiphenylamine	0.561	0.600	0.050	6.8859	50.0
1,2,4,5-Tetrachlorobenzene	0.633	0.670	0.100	5.7599	50.0
4-Bromophenyl-phenylether	0.196	0.209	0.070	6.3	50.0
Hexachlorobenzene	0.230	0.243	0.050	5.7371	50.0
Atrazine	0.192	0.195	0.010	1.7792	50.0
Pentachlorophenol	0.134	0.132	0.010	-1.2438	50.0
Phenanthrene	1.043	1.084	0.200	3.8954	50.0
Pentachlorobenzene	0.271	0.295	0.050	9.1127	50.0
Anthracene	1.048	1.103	0.200	5.2616	50.0
1,2,3,4-Tetrachlorobenzene	0.319	0.352	0.050	10.4103	50.0
Carbazole	0.909	0.962	0.050	5.8736	50.0
Di-n-butylphthalate	1.053	1.093	0.500	3.7488	50.0
Fluoranthene	1.308	1.403	0.400	7.3021	50.0
Pyrene	1.382	1.483	0.400	7.3307	50.0
Butylbenzylphthalate	0.508	0.530	0.100	4.4978	50.0
3,3-Dichlorobenzidine	0.428	0.433	0.010	1.1873	50.0
Benzo(a)anthracene	1.326	1.391	0.300	4.9068	50.0
Chrysene	1.250	1.314	0.200	5.1555	50.0
Bis(2-ethylhexyl)phthalate	0.726	0.749	0.200	3.1081	50.0
Di-n-octyl phthalate	1.114	1.146	0.010	2.9295	50.0
Benzo(b)fluoranthene	1.180	1.260	0.200	6.7991	50.0
Benzo(k)fluoranthene	1.188	1.237	0.200	4.1209	50.0
Benzo(a)pyrene	1.119	1.187	0.200	6.0131	50.0
Indeno(1,2,3-cd)pyrene	1.383	1.478	0.200	6.8699	50.0
Dibenzo(a,h)anthracene	1.154	1.233	0.200	6.8695	50.0
Benzo(g,h,i)perylene	1.117	1.186	0.200	6.2169	50.0
2,3,4,6-Tetrachlorophenol	0.304	0.321	0.040	5.5957	50.0
1,4-Dioxane-d8	0.551	0.580	0.010	5.1921	50.0
Pyridine-d5	1.433	1.487	0.010	3.8086	50.0
Phenol-d5	1.564	1.606	0.010	2.6478	50.0
Bis-(2-Chloroethyl)ether-d8	0.964	1.007	0.050	4.4853	50.0
2-Chlorophenol-d4	1.263	1.327	0.200	5.0522	50.0
4-Methylphenol-d8	1.206	1.221	0.010	1.2463	50.0
Nitrobenzene-d5	0.145	0.154	0.050	6.1336	50.0
2-Nitrophenol-d4	0.135	0.148	0.050	9.4563	50.0
2,4-Dichlorophenol-d3	0.275	0.293	0.060	6.5942	50.0
4-Chloroaniline-d4	0.405	0.424	0.010	4.6399	50.0



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG No.: BP080723

Instrument ID: BNA_P Calibration Date/Time: 8/7/2023 12:20:16

Lab File ID: BP016527.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020678 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.383	1.436	0.300	3.862	50.0
Acenaphthylene-d8	1.665	1.788	0.400	7.3423	50.0
4-Nitrophenol-d4	0.260	0.251	0.010	-3.7328	50.0
Fluorene-d10	1.188	1.237	0.100	4.1605	50.0
4,6-Dinitro-2-methylphenol-d2	0.088	0.081	0.010	-8.3904	50.0
Anthracene-d10	0.863	0.918	0.300	6.3189	50.0
Pyrene-d10	1.097	1.178	0.300	7.4626	50.0
Benzo(a)pyrene-d12	0.958	1.019	0.010	6.4126	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK583	SDG No.:	BP080723
Lab Sample ID:	PB154583BL	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
BP016510.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.2	U	1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.2	U	1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	0.76	U	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.85	U	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	0.91	U	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	0.83	U	0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	2.3	U	2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	0.86	U	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK583	SDG No.:	BP080723
Lab Sample ID:	PB154583BL	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
BP016510.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	0.55	U	0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	0.7	U	0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	0.87	U	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	0.48	U	0.48	2.5	5	ug/L
86-73-7	Fluorene	0.98	U	0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.65	U	0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	0.88	U	0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.39	U	0.39	2.5	5	ug/L
206-44-0	Fluoranthene	1.1	U	1.1	5	5	ug/L
129-00-0	Pyrene	1.2	U	1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	0.88	U	0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK583	SDG No.:	BP080723
Lab Sample ID:	PB154583BL	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
BP016510.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	0.62	U	0.62	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	0.76	U	0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	0.54	U	0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	U	0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.889		15-120		74	SPK: -8
7291-22-7	Pyridine-d5	29.283		20-120		73	SPK: -40
4165-62-2	Phenol-d5	31.261		10-130		78	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.262		25-120		76	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.393		20-130		76	SPK: -40
190780-66-6	4-Methylphenol-d8	29.439		25-125		74	SPK: -40
4165-60-0	Nitrobenzene-d5	30.471		20-125		76	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.86		20-130		80	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.686		20-120		74	SPK: -40
191656-33-4	4-Chloroaniline-d4	29.647		1-146		74	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.452		25-130		74	SPK: -40
93951-97-4	Acenaphthylene-d8	29.885		10-130		75	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.335		10-150		58	SPK: -40
81103-79-9	Fluorene-d10	30.614		25-125		77	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.533		10-130		49	SPK: -40
1719-06-8	Anthracene-d10	31.143		25-130		78	SPK: -40
1718-52-1	Pyrene-d10	31.213		15-130		78	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	30.882		20-130		77	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	514324	8.069				
1146-65-2	Naphthalene-d8	1967908	10.899				
15067-26-2	Acenaphthene-d10	1042818	14.716				
1517-22-2	Phenanthrene-d10	2103252	17.481				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK583	SDG No.:	BP080723
Lab Sample ID:	PB154583BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016510.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1811779	21.574				
1520-96-3	Perylene-d12	2046738	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47	SDG No.:	BP080723
Lab Sample ID:	O3805-03	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
BP016511.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	77		1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	31		1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	60		0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	68		1.4	2.5	5	ug/L
78-59-1	Isophorone	150	E	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	140	E	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	110	E	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	130	E	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	62		0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	84		2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	87	E	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47	SDG No.:	BP080723
Lab Sample ID:	O3805-03	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
BP016511.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	48		0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	20		0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	39		0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	0.87	U	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	55		0.48	2.5	5	ug/L
86-73-7	Fluorene	35		0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	150	E	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	89	E	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	79		0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	39		0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	46		1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	64		0.39	2.5	5	ug/L
206-44-0	Fluoranthene	1.1	U	1.1	5	5	ug/L
129-00-0	Pyrene	1.2	U	1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	40		0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47	SDG No.:	BP080723
Lab Sample ID:	O3805-03	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
BP016511.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	31		0.62	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	33		1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	62		0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	40		0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54		0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	28		0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.911		15-120		86	SPK: -8
7291-22-7	Pyridine-d5	33.448		20-120		84	SPK: -40
4165-62-2	Phenol-d5	38.514		10-130		96	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	37.187		25-120		93	SPK: -40
93951-73-6	2-Chlorophenol-d4	36.565		20-130		91	SPK: -40
190780-66-6	4-Methylphenol-d8	35.412		25-125		89	SPK: -40
4165-60-0	Nitrobenzene-d5	39.155		20-125		98	SPK: -40
93951-78-1	2-Nitrophenol-d4	41.399		20-130		103	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	37.445		20-120		94	SPK: -40
191656-33-4	4-Chloroaniline-d4	34.864		1-146		87	SPK: -40
85448-30-2	Dimethylphthalate-d6	38.483		25-130		96	SPK: -40
93951-97-4	Acenaphthylene-d8	38.391		10-130		96	SPK: -40
93951-79-2	4-Nitrophenol-d4	32.339		10-150		81	SPK: -40
81103-79-9	Fluorene-d10	39.597		25-125		99	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	28.768		10-130		72	SPK: -40
1719-06-8	Anthracene-d10	39.118		25-130		98	SPK: -40
1718-52-1	Pyrene-d10	41.533		15-130		104	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	42.074		20-130		105	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	427114	8.069				
1146-65-2	Naphthalene-d8	1620559	10.904				
15067-26-2	Acenaphthene-d10	860346	14.716				
1517-22-2	Phenanthrene-d10	1731563	17.481				



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Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47	SDG No.:	BP080723
Lab Sample ID:	O3805-03	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
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
BP016511.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1473985	21.58				
1520-96-3	Perylene-d12	1643355	24.174				
TENTATIVE IDENTIFIED COMPOUNDS							
000095-50-1	Benzene, 1,2-dichloro-	33	J			7.946	
000106-46-7	Benzene, 1,4-dichloro-	43	J			8.416	
000108-70-3	Benzene, 1,3,5-trichloro-	82	J			10.752	
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47DL	SDG No.:	BP080723
Lab Sample ID:	O3805-03DL	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
BP016512.D	4	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	2.76	U	2.76	2	8	ug/L
100-52-7	Benzaldehyde	4.8	U	4.8	20	40	ug/L
110-86-1	Pyridine	5.6	U	5.6	40	40	ug/L
108-95-2	Phenol	5.6	U	5.6	20	40	ug/L
111-44-4	Bis(2-Chloroethyl)ether	81	D	4.8	20	40	ug/L
95-57-8	2-Chlorophenol	3.6	U	3.6	10	20	ug/L
95-48-7	2-Methylphenol	4.8	U	4.8	20	40	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	8	U	8	20	40	ug/L
98-86-2	Acetophenone	6	U	6	20	40	ug/L
106-44-5	4-Methylphenol	4	U	4	20	40	ug/L
621-64-7	N-Nitroso-di-n-propylamine	31	D	4.8	10	20	ug/L
67-72-1	Hexachloroethane	60	D	2.84	10	20	ug/L
98-95-3	Nitrobenzene	68	D	5.6	10	20	ug/L
78-59-1	Isophorone	160	D	3.04	10	20	ug/L
88-75-5	2-Nitrophenol	4.4	U	4.4	10	20	ug/L
105-67-9	2,4-Dimethylphenol	5.6	U	5.6	10	20	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	160	D	3.4	10	20	ug/L
120-83-2	2,4-Dichlorophenol	3.52	U	3.52	10	20	ug/L
91-20-3	Naphthalene	120	D	3.64	10	20	ug/L
106-47-8	4-Chloroaniline	4.8	U	4.8	10	40	ug/L
87-68-3	Hexachlorobutadiene	150	D	3.92	10	20	ug/L
105-60-2	Caprolactam	10	U	10	20	40	ug/L
59-50-7	4-Chloro-3-methylphenol	4.4	U	4.4	10	20	ug/L
90-12-0	1-Methylnaphthalene	4.8	U	4.8	10	20	ug/L
91-57-6	2-Methylnaphthalene	65	D	3.32	10	20	ug/L
77-47-4	Hexachlorocyclopentadiene	77	D	9.2	20	40	ug/L
88-06-2	2,4,6-Trichlorophenol	4	U	4	10	20	ug/L
95-95-4	2,4,5-Trichlorophenol	3.44	U	3.44	10	20	ug/L
92-52-4	1,1-Biphenyl	3.24	U	3.24	10	20	ug/L
91-58-7	2-Chloronaphthalene	93	D	3.44	10	20	ug/L
88-74-4	2-Nitroaniline	5.6	U	5.6	10	20	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47DL	SDG No.:	BP080723
Lab Sample ID:	O3805-03DL	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
BP016512.D	4	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	49	D	2.2	10	20	ug/L
606-20-2	2,6-Dinitrotoluene	15	JD	2.8	10	20	ug/L
208-96-8	Acenaphthylene	39	D	3	10	20	ug/L
99-09-2	3-Nitroaniline	3.84	U	3.84	20	40	ug/L
83-32-9	Acenaphthene	3.48	U	3.48	10	20	ug/L
51-28-5	2,4-Dinitrophenol	8	U	8	20	40	ug/L
100-02-7	4-Nitrophenol	5.6	U	5.6	20	40	ug/L
132-64-9	Dibenzofuran	3.6	U	3.6	10	20	ug/L
121-14-2	2,4-Dinitrotoluene	3.52	U	3.52	10	20	ug/L
84-66-2	Diethylphthalate	55	D	1.92	10	20	ug/L
86-73-7	Fluorene	42	D	3.92	10	20	ug/L
7005-72-3	4-Chlorophenyl-phenylether	180	D	3.08	10	20	ug/L
100-01-6	4-Nitroaniline	5.6	U	5.6	20	40	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.4	U	8.4	20	40	ug/L
86-30-6	N-Nitrosodiphenylamine	3.36	U	3.36	10	20	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	3.92	U	3.92	10	20	ug/L
101-55-3	4-Bromophenyl-phenylether	91	D	3.08	10	20	ug/L
118-74-1	Hexachlorobenzene	82	D	2.6	10	20	ug/L
1912-24-9	Atrazine	6	U	6	20	40	ug/L
87-86-5	Pentachlorophenol	6.4	U	6.4	20	40	ug/L
85-01-8	Phenanthrene	41	D	3.52	10	20	ug/L
608-93-5	Pentachlorobenzene	9.2	U	9.2	10	20	ug/L
120-12-7	Anthracene	48	D	4.4	10	20	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	5.6	U	5.6	10	20	ug/L
86-74-8	Carbazole	4.8	U	4.8	20	40	ug/L
84-74-2	Di-n-butylphthalate	62	D	1.56	10	20	ug/L
206-44-0	Fluoranthene	4.4	U	4.4	20	20	ug/L
129-00-0	Pyrene	4.8	U	4.8	10	20	ug/L
85-68-7	Butylbenzylphthalate	2.68	U	2.68	10	20	ug/L
91-94-1	3,3-Dichlorobenzidine	4.4	U	4.4	20	40	ug/L
56-55-3	Benzo(a)anthracene	3.4	U	3.4	10	20	ug/L
218-01-9	Chrysene	42	D	3.52	10	20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.64	U	3.64	10	20	ug/L

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47DL	SDG No.:	BP080723
Lab Sample ID:	O3805-03DL	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
BP016512.D	4	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	25	JD	2.48	20	40	ug/L
205-99-2	Benzo(b)fluoranthene	33	D	4.4	10	20	ug/L
207-08-9	Benzo(k)fluoranthene	61	D	3.04	10	20	ug/L
50-32-8	Benzo(a)pyrene	39	D	2.16	10	20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51	D	2.64	10	20	ug/L
53-70-3	Dibenzo(a,h)anthracene	26	D	2.36	10	20	ug/L
191-24-2	Benzo(g,h,i)perylene	2.84	U	2.84	10	20	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	2.68	U	2.68	10	20	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.964		15-120		87	SPK: -8
7291-22-7	Pyridine-d5	32.988		20-120		82	SPK: -40
4165-62-2	Phenol-d5	37.824		10-130		95	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	38.104		25-120		95	SPK: -40
93951-73-6	2-Chlorophenol-d4	35.152		20-130		88	SPK: -40
190780-66-6	4-Methylphenol-d8	33.948		25-125		85	SPK: -40
4165-60-0	Nitrobenzene-d5	35.552		20-125		89	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.248		20-130		83	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	34.448		20-120		86	SPK: -40
191656-33-4	4-Chloroaniline-d4	34.232		1-146		86	SPK: -40
85448-30-2	Dimethylphthalate-d6	38.536		25-130		96	SPK: -40
93951-97-4	Acenaphthylene-d8	36.988		10-130		92	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.26		10-150		58	SPK: -40
81103-79-9	Fluorene-d10	40.504		25-125		101	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.072		10-130		45	SPK: -40
1719-06-8	Anthracene-d10	39.24		25-130		98	SPK: -40
1718-52-1	Pyrene-d10	41.064		15-130		103	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	39.46		20-130		99	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	436944	8.069				
1146-65-2	Naphthalene-d8	1694928	10.899				
15067-26-2	Acenaphthene-d10	906413	14.716				
1517-22-2	Phenanthrene-d10	1856331	17.481				

**Report of Analysis**

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H47DL	SDG No.:	BP080723
Lab Sample ID:	O3805-03DL	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
BP016512.D	4	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1624438	21.58				
1520-96-3	Perylene-d12	1824942	24.169				
TENTATIVE IDENTIFIED COMPOUNDS							
000062-75-9	N-Nitrosodimethylamine	42	JD			3.787	
000106-46-7	Benzene, 1,4-dichloro-	35	JD			7.946	
000541-73-1	Benzene, 1,3-dichloro-	47	JD			8.416	
000108-70-3	Benzene, 1,3,5-trichloro-	88	JD			10.746	
E966796	Total Alkanes	3.24	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS583	SDG No.:	BP080723
Lab Sample ID:	PB154583BS	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
BP016513.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14		0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	39		1.2	5	10	ug/L
110-86-1	Pyridine	33		1.4	10	10	ug/L
108-95-2	Phenol	35		1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	35		1.2	5	10	ug/L
95-57-8	2-Chlorophenol	35		0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	34		1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	33		2	5	10	ug/L
98-86-2	Acetophenone	35		1.5	5	10	ug/L
106-44-5	4-Methylphenol	34		1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	34		1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	34		0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	35		1.4	2.5	5	ug/L
78-59-1	Isophorone	35		0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	37		1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	34		1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	34		0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	35		0.88	2.5	5	ug/L
91-20-3	Naphthalene	34		0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	32		1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	34		0.98	2.5	5	ug/L
105-60-2	Caprolactam	31		2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	36		1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	34		1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	34		0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	34		2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	36		1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	37		0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	35		0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	34		0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	37		1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS583	SDG No.:	BP080723
Lab Sample ID:	PB154583BS	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
BP016513.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	34		0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	38		0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	33		0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	36		0.96	5	10	ug/L
83-32-9	Acenaphthene	34		0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	30		2	5	10	ug/L
100-02-7	4-Nitrophenol	34		1.4	5	10	ug/L
132-64-9	Dibenzofuran	34		0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	37		0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	34		0.48	2.5	5	ug/L
86-73-7	Fluorene	34		0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	34		0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	39		1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	33		2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	35		0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	34		0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	35		0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	35		0.65	2.5	5	ug/L
1912-24-9	Atrazine	32		1.5	5	10	ug/L
87-86-5	Pentachlorophenol	32		1.6	5	10	ug/L
85-01-8	Phenanthrene	35		0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	35		2.3	2.5	5	ug/L
120-12-7	Anthracene	35		1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	33		1.4	2.5	5	ug/L
86-74-8	Carbazole	36		1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	36		0.39	2.5	5	ug/L
206-44-0	Fluoranthene	35		1.1	5	5	ug/L
129-00-0	Pyrene	35		1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	36		0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	35		1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	35		0.85	2.5	5	ug/L
218-01-9	Chrysene	35		0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	36		0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS583	SDG No.:	BP080723
Lab Sample ID:	PB154583BS	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
BP016513.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	36		0.62	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	36		1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	36		0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	34		0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	36		0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	36		0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	37		0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	36		0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.885		15-120		86	SPK: -8
7291-22-7	Pyridine-d5	34.693		20-120		87	SPK: -40
4165-62-2	Phenol-d5	36.422		10-130		91	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	35.308		25-120		88	SPK: -40
93951-73-6	2-Chlorophenol-d4	35.186		20-130		88	SPK: -40
190780-66-6	4-Methylphenol-d8	34.098		25-125		85	SPK: -40
4165-60-0	Nitrobenzene-d5	36.593		20-125		91	SPK: -40
93951-78-1	2-Nitrophenol-d4	37.867		20-130		95	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	36.76		20-120		92	SPK: -40
191656-33-4	4-Chloroaniline-d4	32.281		1-146		81	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.303		25-130		86	SPK: -40
93951-97-4	Acenaphthylene-d8	35.524		10-130		89	SPK: -40
93951-79-2	4-Nitrophenol-d4	33.532		10-150		84	SPK: -40
81103-79-9	Fluorene-d10	35.091		25-125		88	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	34.589		10-130		86	SPK: -40
1719-06-8	Anthracene-d10	35.804		25-130		90	SPK: -40
1718-52-1	Pyrene-d10	35.366		15-130		88	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.63		20-130		92	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	443346	8.069				
1146-65-2	Naphthalene-d8	1671874	10.898				
15067-26-2	Acenaphthene-d10	874009	14.716				
1517-22-2	Phenanthrene-d10	1717600	17.48				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS583	SDG No.:	BP080723
Lab Sample ID:	PB154583BS	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
BP016513.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154583

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1507707	21.58				
1520-96-3	Perylene-d12	1662344	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK581	SDG No.:	BP080723
Lab Sample ID:	PB154581BL	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
BP016514.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	6.6	67	ug/Kg
100-52-7	Benzaldehyde	47	U	47	82.5	330	ug/Kg
110-86-1	Pyridine	40	U	40	170	330	ug/Kg
108-95-2	Phenol	40	U	40	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	36	U	36	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	26	U	26	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)	60	U	60	82.5	330	ug/Kg
98-86-2	Acetophenone	43	U	43	82.5	330	ug/Kg
106-44-5	4-Methylphenol	36	U	36	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	41	U	41	42.5	170	ug/Kg
67-72-1	Hexachloroethane	24	U	24	42.5	170	ug/Kg
98-95-3	Nitrobenzene	50	U	50	42.5	170	ug/Kg
78-59-1	Isophorone	30	U	30	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	42	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	27	U	27	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	27	U	27	42.5	170	ug/Kg
91-20-3	Naphthalene	31	U	31	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	40	U	40	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	42.5	170	ug/Kg
105-60-2	Caprolactam	67	U	67	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	27	U	27	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	77	U	77	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	32	U	32	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	34	U	34	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	27	U	27	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	32	U	32	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	46	U	46	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK581	SDG No.:	BP080723
Lab Sample ID:	PB154581BL	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
BP016514.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	23	U	23	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
208-96-8	Acenaphthylene	29	U	29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	82.5	330	ug/Kg
83-32-9	Acenaphthene	30	U	30	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	54	U	54	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	32	U	32	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	U	35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	22	U	22	42.5	170	ug/Kg
86-73-7	Fluorene	32	U	32	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28	U	28	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	46	U	46	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62	U	62	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	33	U	33	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	32	U	32	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	28	U	28	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	42.5	170	ug/Kg
1912-24-9	Atrazine	51	U	51	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	55	U	55	82.5	330	ug/Kg
85-01-8	Phenanthrene	31	U	31	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	80	U	80	42.5	170	ug/Kg
120-12-7	Anthracene	35	U	35	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	53	U	53	42.5	170	ug/Kg
86-74-8	Carbazole	38	U	38	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	28	U	28	42.5	170	ug/Kg
206-44-0	Fluoranthene	54	U	54	82.5	170	ug/Kg
129-00-0	Pyrene	54	U	54	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	25	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	54	U	54	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	32	U	32	42.5	170	ug/Kg
218-01-9	Chrysene	30	U	30	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK581	SDG No.:	BP080723
Lab Sample ID:	PB154581BL	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
BP016514.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	30	U	30	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	29	U	29	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	23	U	23	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	26	U	26	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	31	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27	U	27	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37	U	37	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	31	U	31	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.726		15-120		72	SPK: -8
7291-22-7	Pyridine-d5	29.323		20-120		73	SPK: -40
4165-62-2	Phenol-d5	31.556		10-130		79	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.368		10-150		76	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.234		15-120		76	SPK: -40
190780-66-6	4-Methylphenol-d8	29.243		10-140		73	SPK: -40
4165-60-0	Nitrobenzene-d5	30.892		10-135		77	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.902		10-120		80	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.645		10-140		74	SPK: -40
191656-33-4	4-Chloroaniline-d4	29.46		1-145		74	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.345		10-145		73	SPK: -40
93951-97-4	Acenaphthylene-d8	29.853		15-120		75	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.194		10-150		58	SPK: -40
81103-79-9	Fluorene-d10	30.447		20-140		76	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.655		10-130		49	SPK: -40
1719-06-8	Anthracene-d10	30.977		10-150		77	SPK: -40
1718-52-1	Pyrene-d10	31.406		10-130		79	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.162		10-140		78	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	534536	8.069				
1146-65-2	Naphthalene-d8	2038320	10.899				
15067-26-2	Acenaphthene-d10	1067699	14.716				
1517-22-2	Phenanthrene-d10	2137370	17.481				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SBLK581	SDG No.:	BP080723
Lab Sample ID:	PB154581BL	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
BP016514.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1817491	21.575				
1520-96-3	Perylene-d12	2038402	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	27	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66	SDG No.:	BP080723
Lab Sample ID:	O3805-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016515.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	6.6	66	ug/Kg
100-52-7	Benzaldehyde	47	U	47	82.2	330	ug/Kg
110-86-1	Pyridine	40	U	40	160	330	ug/Kg
108-95-2	Phenol	5600	E	40	82.2	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1800		36	82.2	330	ug/Kg
95-57-8	2-Chlorophenol	3500	E	26	42.4	170	ug/Kg
95-48-7	2-Methylphenol	31	U	31	82.2	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60	U	60	82.2	330	ug/Kg
98-86-2	Acetophenone	43	U	43	82.2	330	ug/Kg
106-44-5	4-Methylphenol	36	U	36	82.2	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	5200	E	41	42.4	170	ug/Kg
67-72-1	Hexachloroethane	4600	E	24	42.4	170	ug/Kg
98-95-3	Nitrobenzene	1700		50	42.4	170	ug/Kg
78-59-1	Isophorone	30	U	30	42.4	170	ug/Kg
88-75-5	2-Nitrophenol	2600		37	42.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	42	42.4	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	2800	E	27	42.4	170	ug/Kg
120-83-2	2,4-Dichlorophenol	2400		27	42.4	170	ug/Kg
91-20-3	Naphthalene	5100	E	31	42.4	170	ug/Kg
106-47-8	4-Chloroaniline	40	U	40	42.4	330	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	42.4	170	ug/Kg
105-60-2	Caprolactam	67	U	67	82.2	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4400	E	34	42.4	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	27	U	27	42.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	77	U	77	82.2	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3100	E	32	42.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	5900	E	34	42.4	170	ug/Kg
92-52-4	1,1-Biphenyl	27	U	27	42.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	2500		32	42.4	170	ug/Kg
88-74-4	2-Nitroaniline	46	U	46	42.4	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66	SDG No.:	BP080723
Lab Sample ID:	O3805-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016515.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	23	U	23	42.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	9200	E	27	42.4	170	ug/Kg
208-96-8	Acenaphthylene	5000	E	29	42.4	170	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	82.2	330	ug/Kg
83-32-9	Acenaphthene	4000	E	30	42.4	170	ug/Kg
51-28-5	2,4-Dinitrophenol	54	U	54	82.2	330	ug/Kg
100-02-7	4-Nitrophenol	6000	E	44	82.2	330	ug/Kg
132-64-9	Dibenzofuran	32	U	32	42.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	5100	E	35	42.4	170	ug/Kg
84-66-2	Diethylphthalate	6100	E	22	42.4	170	ug/Kg
86-73-7	Fluorene	1500		32	42.4	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4600	E	28	42.4	170	ug/Kg
100-01-6	4-Nitroaniline	46	U	46	82.2	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62	U	62	82.2	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	33	U	33	42.4	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	32	U	32	42.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	28	U	28	42.4	170	ug/Kg
118-74-1	Hexachlorobenzene	7400	E	34	42.4	170	ug/Kg
1912-24-9	Atrazine	51	U	51	82.2	330	ug/Kg
87-86-5	Pentachlorophenol	7200	E	55	82.2	330	ug/Kg
85-01-8	Phenanthrene	2000		31	42.4	170	ug/Kg
608-93-5	Pentachlorobenzene	80	U	80	42.4	170	ug/Kg
120-12-7	Anthracene	2600		35	42.4	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	53	U	53	42.4	170	ug/Kg
86-74-8	Carbazole	38	U	38	82.2	330	ug/Kg
84-74-2	Di-n-butylphthalate	4300	E	28	42.4	170	ug/Kg
206-44-0	Fluoranthene	4500	E	54	82.2	170	ug/Kg
129-00-0	Pyrene	2700	E	54	42.4	170	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	25	42.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	54	U	54	82.2	330	ug/Kg
56-55-3	Benzo(a)anthracene	3700	E	32	42.4	170	ug/Kg
218-01-9	Chrysene	4500	E	30	42.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	6700	E	44	42.4	170	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66	SDG No.:	BP080723
Lab Sample ID:	O3805-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016515.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	30	U	30	82.2	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	29	U	29	42.4	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	5100	E	23	42.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	26	U	26	42.4	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	31	42.4	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3900	E	27	42.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37	U	37	42.4	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	87	J	31	42.4	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.697		15-120		59	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	30.942		10-130		77	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.742		10-150		74	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.062		15-120		73	SPK: -40
190780-66-6	4-Methylphenol-d8	29.882		10-140		75	SPK: -40
4165-60-0	Nitrobenzene-d5	29.7		10-135		74	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.619		10-120		79	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.357		10-140		83	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.003		1-145		63	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.757		10-145		84	SPK: -40
93951-97-4	Acenaphthylene-d8	32.449		15-120		81	SPK: -40
93951-79-2	4-Nitrophenol-d4	29.559		10-150		74	SPK: -40
81103-79-9	Fluorene-d10	33.849		20-140		85	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.752		10-130		67	SPK: -40
1719-06-8	Anthracene-d10	32.628		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	36.224		10-130		91	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	34.514		10-140		86	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	463816	8.069				
1146-65-2	Naphthalene-d8	1873522	10.904				
15067-26-2	Acenaphthene-d10	1019243	14.716				
1517-22-2	Phenanthrene-d10	2154554	17.486				

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66	SDG No.:	BP080723
Lab Sample ID:	O3805-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016515.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1768121	21.586				
1520-96-3	Perylene-d12	2143247	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
000106-46-7	Benzene, 1,4-dichloro-	2000	J			7.946	
000095-50-1	Benzene, 1,2-dichloro-	5000	J			8.422	
000608-93-5	Benzene, pentachloro-	84	J			15.01	
000640-61-9	Benzenesulfonamide, N,4-dimethyl-	72	J			16.439	
001731-86-8	Undecanoic acid, methyl ester	90	J			17.245	
	unknown-01	67	J			18.069	
005129-60-2	Pentadecanoic acid, 14-methyl-, me	120	J			18.104	
000057-10-3	n-Hexadecanoic acid	240	J			18.328	
1010336-49-1	Methyl 8-methyl-decanoate	69	J			18.686	
000084-65-1	9,10-Anthracenedione	200	J			18.875	
026528-50-7	8-Octadecenoic acid, methyl ester,	170	J			19.239	
000112-61-8	Methyl stearate	77	J			19.363	
	(DEL) Alkane: Straight-Chain	23.304	J			23.304	
	(DEL) Alkane: Straight-Chain	24.798	J			24.798	
	(DEL) Alkane: Straight-Chain	24.927	J			24.927	
E966796	Total Alkanes	440				99	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66DL	SDG No.:	BP080723
Lab Sample ID:	O3805-07DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016516.D	5	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	100	U	100	32.9	330	ug/Kg
100-52-7	Benzaldehyde	230	U	230	410	1600	ug/Kg
110-86-1	Pyridine	200	U	200	820	1600	ug/Kg
108-95-2	Phenol	5700	D	200	410	1600	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1700	D	180	410	1600	ug/Kg
95-57-8	2-Chlorophenol	3600	D	130	210	850	ug/Kg
95-48-7	2-Methylphenol	150	U	150	410	1600	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	410	1600	ug/Kg
98-86-2	Acetophenone	210	U	210	410	1600	ug/Kg
106-44-5	4-Methylphenol	180	U	180	410	1600	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	5100	D	200	210	850	ug/Kg
67-72-1	Hexachloroethane	4700	D	120	210	850	ug/Kg
98-95-3	Nitrobenzene	1600	D	250	210	850	ug/Kg
78-59-1	Isophorone	150	U	150	210	850	ug/Kg
88-75-5	2-Nitrophenol	2200	D	180	210	850	ug/Kg
105-67-9	2,4-Dimethylphenol	210	U	210	210	850	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	2800	D	130	210	850	ug/Kg
120-83-2	2,4-Dichlorophenol	2300	D	130	210	850	ug/Kg
91-20-3	Naphthalene	6100	D	150	210	850	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	210	1600	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	210	850	ug/Kg
105-60-2	Caprolactam	330	U	330	410	1600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4300	D	170	210	850	ug/Kg
90-12-0	1-Methylnaphthalene	200	U	200	210	850	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	210	850	ug/Kg
77-47-4	Hexachlorocyclopentadiene	380	U	380	410	1600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2900	D	160	210	850	ug/Kg
95-95-4	2,4,5-Trichlorophenol	6100	D	170	210	850	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	210	850	ug/Kg
91-58-7	2-Chloronaphthalene	2700	D	160	210	850	ug/Kg
88-74-4	2-Nitroaniline	230	U	230	210	850	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66DL	SDG No.:	BP080723
Lab Sample ID:	O3805-07DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016516.D	5	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	110	U	110	210	850	ug/Kg
606-20-2	2,6-Dinitrotoluene	8800	D	130	210	850	ug/Kg
208-96-8	Acenaphthylene	6500	D	140	210	850	ug/Kg
99-09-2	3-Nitroaniline	140	U	140	410	1600	ug/Kg
83-32-9	Acenaphthene	4700	D	150	210	850	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	410	1600	ug/Kg
100-02-7	4-Nitrophenol	5500	D	220	410	1600	ug/Kg
132-64-9	Dibenzofuran	160	U	160	210	850	ug/Kg
121-14-2	2,4-Dinitrotoluene	4600	D	170	210	850	ug/Kg
84-66-2	Diethylphthalate	7400	D	110	210	850	ug/Kg
86-73-7	Fluorene	1800	D	160	210	850	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	5600	D	140	210	850	ug/Kg
100-01-6	4-Nitroaniline	230	U	230	410	1600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	310	U	310	410	1600	ug/Kg
86-30-6	N-Nitrosodiphenylamine	160	U	160	210	850	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	160	210	850	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	210	850	ug/Kg
118-74-1	Hexachlorobenzene	8700	D	170	210	850	ug/Kg
1912-24-9	Atrazine	250	U	250	410	1600	ug/Kg
87-86-5	Pentachlorophenol	7000	D	270	410	1600	ug/Kg
85-01-8	Phenanthrene	2100	D	150	210	850	ug/Kg
608-93-5	Pentachlorobenzene	400	U	400	210	850	ug/Kg
120-12-7	Anthracene	2900	D	170	210	850	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	260	U	260	210	850	ug/Kg
86-74-8	Carbazole	190	U	190	410	1600	ug/Kg
84-74-2	Di-n-butylphthalate	6800	D	140	210	850	ug/Kg
206-44-0	Fluoranthene	6500	D	270	410	850	ug/Kg
129-00-0	Pyrene	3000	D	270	210	850	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	850	ug/Kg
91-94-1	3,3-Dichlorobenzidine	270	U	270	410	1600	ug/Kg
56-55-3	Benzo(a)anthracene	4300	D	160	210	850	ug/Kg
218-01-9	Chrysene	5800	D	150	210	850	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	9000	D	220	210	850	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66DL	SDG No.:	BP080723
Lab Sample ID:	O3805-07DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016516.D	5	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	150	U	150	410	1600	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	210	850	ug/Kg
207-08-9	Benzo(k)fluoranthene	6000	D	110	210	850	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	210	850	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	210	850	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3900	D	130	210	850	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	U	180	210	850	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	210	850	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.145		15-120		52	SPK: -8
7291-22-7	Pyridine-d5	1.7	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	28.59		10-130		71	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.215		10-150		71	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.505		15-120		69	SPK: -40
190780-66-6	4-Methylphenol-d8	26.815		10-140		67	SPK: -40
4165-60-0	Nitrobenzene-d5	27.135		10-135		68	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.705		10-120		64	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.095		10-140		78	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.615		1-145		59	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.48		10-145		81	SPK: -40
93951-97-4	Acenaphthylene-d8	31.66		15-120		79	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.58		10-150		56	SPK: -40
81103-79-9	Fluorene-d10	33.505		20-140		84	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	16.37		10-130		41	SPK: -40
1719-06-8	Anthracene-d10	32.285		10-150		81	SPK: -40
1718-52-1	Pyrene-d10	35.36		10-130		88	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.685		10-140		82	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	462065	8.069				
1146-65-2	Naphthalene-d8	1788545	10.899				
15067-26-2	Acenaphthene-d10	942773	14.716				
1517-22-2	Phenanthrene-d10	1878067	17.481				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	X3H66DL	SDG No.:	BP080723
Lab Sample ID:	O3805-07DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
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
BP016516.D	5	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1565513	21.58				
1520-96-3	Perylene-d12	1754473	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
000095-50-1	Benzene, 1,2-dichloro-	1700	JD			7.946	
000541-73-1	Benzene, 1,3-dichloro-	4600	JD			8.416	
E966796	Total Alkanes	130	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS581	SDG No.:	BP080723
Lab Sample ID:	PB154581BS	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
BP016517.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	450		21	6.6	67	ug/Kg
100-52-7	Benzaldehyde	1300		47	82.5	330	ug/Kg
110-86-1	Pyridine	1100		40	170	330	ug/Kg
108-95-2	Phenol	1200		40	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1200		36	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	1200		26	42.5	170	ug/Kg
95-48-7	2-Methylphenol	1200		31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		60	82.5	330	ug/Kg
98-86-2	Acetophenone	1200		43	82.5	330	ug/Kg
106-44-5	4-Methylphenol	1200		36	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1200		41	42.5	170	ug/Kg
67-72-1	Hexachloroethane	1200		24	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1200		50	42.5	170	ug/Kg
78-59-1	Isophorone	1200		30	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1300		37	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		42	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1200		27	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		27	42.5	170	ug/Kg
91-20-3	Naphthalene	1100		31	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	1100		40	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	1100		35	42.5	170	ug/Kg
105-60-2	Caprolactam	1100		67	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		34	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	1100		41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1100		27	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		77	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		32	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		34	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	1100		27	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1100		32	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1300		46	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS581	SDG No.:	BP080723
Lab Sample ID:	PB154581BS	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
BP016517.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1100		23	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		27	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1100		29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	1200		29	82.5	330	ug/Kg
83-32-9	Acenaphthene	1100		30	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	1100		54	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	1100		44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1100		32	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	1100		22	42.5	170	ug/Kg
86-73-7	Fluorene	1100		32	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		28	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1300		46	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		62	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1200		33	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		32	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		28	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1200		34	42.5	170	ug/Kg
1912-24-9	Atrazine	1100		51	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	1100		55	82.5	330	ug/Kg
85-01-8	Phenanthrene	1100		31	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	1200		80	42.5	170	ug/Kg
120-12-7	Anthracene	1100		35	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1100		53	42.5	170	ug/Kg
86-74-8	Carbazole	1200		38	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1200		28	42.5	170	ug/Kg
206-44-0	Fluoranthene	1300		54	82.5	170	ug/Kg
129-00-0	Pyrene	1300		54	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	1300		25	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		54	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1200		32	42.5	170	ug/Kg
218-01-9	Chrysene	1200		30	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		44	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS581	SDG No.:	BP080723
Lab Sample ID:	PB154581BS	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
BP016517.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1300		30	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		29	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1200		23	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1100		26	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		31	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		27	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		37	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		31	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.356		15-120		79	SPK: -8
7291-22-7	Pyridine-d5	33.939		20-120		85	SPK: -40
4165-62-2	Phenol-d5	37.653		10-130		94	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	35.959		10-150		90	SPK: -40
93951-73-6	2-Chlorophenol-d4	36.256		15-120		91	SPK: -40
190780-66-6	4-Methylphenol-d8	36.275		10-140		91	SPK: -40
4165-60-0	Nitrobenzene-d5	36.909		10-135		92	SPK: -40
93951-78-1	2-Nitrophenol-d4	40.169		10-120		100	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	37.703		10-140		94	SPK: -40
191656-33-4	4-Chloroaniline-d4	33.016		1-145		83	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.346		10-145		86	SPK: -40
93951-97-4	Acenaphthylene-d8	35.143		15-120		88	SPK: -40
93951-79-2	4-Nitrophenol-d4	33.606		10-150		84	SPK: -40
81103-79-9	Fluorene-d10	34.721		20-140		87	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	36.105		10-130		90	SPK: -40
1719-06-8	Anthracene-d10	35.09		10-150		88	SPK: -40
1718-52-1	Pyrene-d10	38.704		10-130		97	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.841		10-140		92	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	497672	8.069				
1146-65-2	Naphthalene-d8	1970100	10.899				
15067-26-2	Acenaphthene-d10	1064919	14.716				
1517-22-2	Phenanthrene-d10	2058223	17.481				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	SLCS581	SDG No.:	BP080723
Lab Sample ID:	PB154581BS	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
BP016517.D	1	8/2/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154581

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1532388	21.58				
1520-96-3	Perylene-d12	1607549	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	27	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SBLK647	SDG No.:	BP080723
Lab Sample ID:	PB154647BL	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
BP016519.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.2	U	1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.2	U	1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	0.76	U	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.85	U	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	0.91	U	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	0.83	U	0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	2.3	U	2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	0.86	U	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SBLK647	SDG No.:	BP080723
Lab Sample ID:	PB154647BL	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
BP016519.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	0.55	U	0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	0.7	U	0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	0.87	U	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	0.48	U	0.48	2.5	5	ug/L
86-73-7	Fluorene	0.98	U	0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.65	U	0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	0.88	U	0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.39	U	0.39	2.5	5	ug/L
206-44-0	Fluoranthene	1.1	U	1.1	5	5	ug/L
129-00-0	Pyrene	1.2	U	1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	0.88	U	0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SBLK647	SDG No.:	BP080723
Lab Sample ID:	PB154647BL	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
BP016519.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	0.62	U	0.62	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	0.76	U	0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	0.54	U	0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	U	0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.942		15-120		49	SPK: -8
7291-22-7	Pyridine-d5	20.468		20-120		51	SPK: -40
4165-62-2	Phenol-d5	22.084		10-130		55	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.301		25-120		53	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.354		20-130		53	SPK: -40
190780-66-6	4-Methylphenol-d8	20.738		25-125		52	SPK: -40
4165-60-0	Nitrobenzene-d5	21.657		20-125		54	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.399		20-130		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.96		20-120		52	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.101		1-146		53	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.523		25-130		54	SPK: -40
93951-97-4	Acenaphthylene-d8	21.395		10-130		53	SPK: -40
93951-79-2	4-Nitrophenol-d4	17.139		10-150		43	SPK: -40
81103-79-9	Fluorene-d10	21.899		25-125		55	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	15.001		10-130		38	SPK: -40
1719-06-8	Anthracene-d10	23.161		25-130		58	SPK: -40
1718-52-1	Pyrene-d10	23.741		15-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.469		20-130		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	626024	8.063				
1146-65-2	Naphthalene-d8	2375527	10.899				
15067-26-2	Acenaphthene-d10	1223454	14.716				
1517-22-2	Phenanthrene-d10	2388885	17.487				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SBLK647	SDG No.:	BP080723
Lab Sample ID:	PB154647BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016519.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	2032996	21.58				
1520-96-3	Perylene-d12	2316372	24.18				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SLCS647	SDG No.:	BP080723
Lab Sample ID:	PB154647BS	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
BP016520.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14		0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	39		1.2	5	10	ug/L
110-86-1	Pyridine	33		1.4	10	10	ug/L
108-95-2	Phenol	35		1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	35		1.2	5	10	ug/L
95-57-8	2-Chlorophenol	35		0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	34		1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	33		2	5	10	ug/L
98-86-2	Acetophenone	35		1.5	5	10	ug/L
106-44-5	4-Methylphenol	34		1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	35		1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	35		0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	35		1.4	2.5	5	ug/L
78-59-1	Isophorone	35		0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	38		1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	34		1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	35		0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	36		0.88	2.5	5	ug/L
91-20-3	Naphthalene	34		0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	32		1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	34		0.98	2.5	5	ug/L
105-60-2	Caprolactam	32		2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	37		1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	34		1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	34		0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	33		2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	37		1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	37		0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	35		0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	34		0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	38		1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SLCS647	SDG No.:	BP080723
Lab Sample ID:	PB154647BS	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
BP016520.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	35		0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	38		0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	33		0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	36		0.96	5	10	ug/L
83-32-9	Acenaphthene	34		0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	34		2	5	10	ug/L
100-02-7	4-Nitrophenol	35		1.4	5	10	ug/L
132-64-9	Dibenzofuran	34		0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	38		0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	35		0.48	2.5	5	ug/L
86-73-7	Fluorene	35		0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	34		0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	40		1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	34		2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	35		0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	34		0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	35		0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	34		0.65	2.5	5	ug/L
1912-24-9	Atrazine	33		1.5	5	10	ug/L
87-86-5	Pentachlorophenol	33		1.6	5	10	ug/L
85-01-8	Phenanthrene	35		0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	35		2.3	2.5	5	ug/L
120-12-7	Anthracene	34		1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	33		1.4	2.5	5	ug/L
86-74-8	Carbazole	36		1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	36		0.39	2.5	5	ug/L
206-44-0	Fluoranthene	35		1.1	5	5	ug/L
129-00-0	Pyrene	35		1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	37		0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36		1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	34		0.85	2.5	5	ug/L
218-01-9	Chrysene	35		0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	37		0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SLCS647	SDG No.:	BP080723
Lab Sample ID:	PB154647BS	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
BP016520.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	37		0.62	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	36		1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	35		0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	34		0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	36		0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	36		0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	37		0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37		0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.783		15-120		85	SPK: -8
7291-22-7	Pyridine-d5	34.636		20-120		87	SPK: -40
4165-62-2	Phenol-d5	36.597		10-130		91	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	35.529		25-120		89	SPK: -40
93951-73-6	2-Chlorophenol-d4	35.449		20-130		89	SPK: -40
190780-66-6	4-Methylphenol-d8	34.097		25-125		85	SPK: -40
4165-60-0	Nitrobenzene-d5	37.011		20-125		93	SPK: -40
93951-78-1	2-Nitrophenol-d4	38.603		20-130		97	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	37.011		20-120		93	SPK: -40
191656-33-4	4-Chloroaniline-d4	32.681		1-146		82	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.762		25-130		87	SPK: -40
93951-97-4	Acenaphthylene-d8	35.262		10-130		88	SPK: -40
93951-79-2	4-Nitrophenol-d4	34.806		10-150		87	SPK: -40
81103-79-9	Fluorene-d10	35.177		25-125		88	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	35.334		10-130		88	SPK: -40
1719-06-8	Anthracene-d10	35.387		25-130		88	SPK: -40
1718-52-1	Pyrene-d10	35.59		15-130		89	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.562		20-130		91	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	443164	8.069				
1146-65-2	Naphthalene-d8	1672372	10.899				
15067-26-2	Acenaphthene-d10	885548	14.716				
1517-22-2	Phenanthrene-d10	1763400	17.481				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	SLCS647	SDG No.:	BP080723
Lab Sample ID:	PB154647BS	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
BP016520.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1540902	21.58				
1520-96-3	Perylene-d12	1733881	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH315	SDG No.:	BP080723
Lab Sample ID:	O3901-01	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
BP016521.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.2	U	1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.2	U	1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	0.76	U	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.85	U	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	0.91	U	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	0.83	U	0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	2.3	U	2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	0.86	U	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH315	SDG No.:	BP080723
Lab Sample ID:	O3901-01	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
BP016521.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	0.55	U	0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	0.7	U	0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	0.87	U	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	0.48	U	0.48	2.5	5	ug/L
86-73-7	Fluorene	0.98	U	0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.65	U	0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	0.88	U	0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.39	U	0.39	2.5	5	ug/L
206-44-0	Fluoranthene	1.1	U	1.1	5	5	ug/L
129-00-0	Pyrene	1.2	U	1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	0.88	U	0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH315	SDG No.:	BP080723
Lab Sample ID:	O3901-01	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
BP016521.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	0.62	U	0.62	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	0.76	U	0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	0.54	U	0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	U	0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.719		15-120		46	SPK: -8
7291-22-7	Pyridine-d5	6.907	*	20-120		17	SPK: -40
4165-62-2	Phenol-d5	7.281		10-130		18	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	36.561		25-120		91	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.39		20-130		68	SPK: -40
190780-66-6	4-Methylphenol-d8	16.547		25-125		41	SPK: -40
4165-60-0	Nitrobenzene-d5	37.372		20-125		93	SPK: -40
93951-78-1	2-Nitrophenol-d4	36.992		20-130		92	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	32.21		20-120		81	SPK: -40
191656-33-4	4-Chloroaniline-d4	29.673		1-146		74	SPK: -40
85448-30-2	Dimethylphthalate-d6	36.344		25-130		91	SPK: -40
93951-97-4	Acenaphthylene-d8	36.43		10-130		91	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.084		10-150		10	SPK: -40
81103-79-9	Fluorene-d10	37.817		25-125		95	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	25.325		10-130		63	SPK: -40
1719-06-8	Anthracene-d10	40.369		25-130		101	SPK: -40
1718-52-1	Pyrene-d10	41.588		15-130		104	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	41.365		20-130		103	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	395539	8.069				
1146-65-2	Naphthalene-d8	1487849	10.899				
15067-26-2	Acenaphthene-d10	780779	14.716				
1517-22-2	Phenanthrene-d10	1548464	17.481				

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH315	SDG No.:	BP080723
Lab Sample ID:	O3901-01	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
BP016521.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1313144	21.575				
1520-96-3	Perylene-d12	1485945	24.169				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH316	SDG No.:	BP080723
Lab Sample ID:	O3901-02	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
BP016522.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.2	U	1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.2	U	1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	0.76	U	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.85	U	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	0.91	U	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	0.83	U	0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	2.3	U	2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	0.86	U	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH316	SDG No.:	BP080723
Lab Sample ID:	O3901-02	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
BP016522.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	0.55	U	0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	0.7	U	0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	0.87	U	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	0.48	U	0.48	2.5	5	ug/L
86-73-7	Fluorene	0.98	U	0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.65	U	0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	0.88	U	0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.39	U	0.39	2.5	5	ug/L
206-44-0	Fluoranthene	1.1	U	1.1	5	5	ug/L
129-00-0	Pyrene	1.2	U	1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	0.88	U	0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH316	SDG No.:	BP080723
Lab Sample ID:	O3901-02	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
BP016522.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	0.62	U	0.62	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	0.76	U	0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	0.54	U	0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	U	0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.467		15-120		31	SPK: -8
7291-22-7	Pyridine-d5	5.564	*	20-120		14	SPK: -40
4165-62-2	Phenol-d5	5.116		10-130		13	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.214		25-120		63	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.905		20-130		47	SPK: -40
190780-66-6	4-Methylphenol-d8	11.708		25-125		29	SPK: -40
4165-60-0	Nitrobenzene-d5	26.091		20-125		65	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.39		20-130		63	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.223		20-120		56	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.306		1-146		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.016		25-130		63	SPK: -40
93951-97-4	Acenaphthylene-d8	25.528		10-130		64	SPK: -40
93951-79-2	4-Nitrophenol-d4	2.883	*	10-150		7	SPK: -40
81103-79-9	Fluorene-d10	26.223		25-125		66	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.221		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	27.015		25-130		68	SPK: -40
1718-52-1	Pyrene-d10	27.474		15-130		69	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.929		20-130		67	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	627363	8.069				
1146-65-2	Naphthalene-d8	2355773	10.899				
15067-26-2	Acenaphthene-d10	1212374	14.716				
1517-22-2	Phenanthrene-d10	2409334	17.481				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	BH316	SDG No.:	BP080723
Lab Sample ID:	O3901-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016522.D	1	8/3/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154647

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	2026975	21.575				
1520-96-3	Perylene-d12	2333113	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SBLK677	SDG No.:	BP080723
Lab Sample ID:	PB154677BL	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
BP016523.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.2	U	1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.2	U	1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	0.76	U	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.85	U	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	0.91	U	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	0.83	U	0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	2.3	U	2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	0.86	U	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SBLK677	SDG No.:	BP080723
Lab Sample ID:	PB154677BL	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
BP016523.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	0.55	U	0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	0.7	U	0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	0.87	U	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	0.48	U	0.48	2.5	5	ug/L
86-73-7	Fluorene	0.98	U	0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.65	U	0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	0.88	U	0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.39	U	0.39	2.5	5	ug/L
206-44-0	Fluoranthene	1.1	U	1.1	5	5	ug/L
129-00-0	Pyrene	1.2	U	1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	0.88	U	0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SBLK677	SDG No.:	BP080723
Lab Sample ID:	PB154677BL	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
BP016523.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	0.62	U	0.62	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	0.76	U	0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	0.54	U	0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	U	0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.428		15-120		68	SPK: -8
7291-22-7	Pyridine-d5	27.153		20-120		68	SPK: -40
4165-62-2	Phenol-d5	28.992		10-130		72	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.592		25-120		71	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.941		20-130		70	SPK: -40
190780-66-6	4-Methylphenol-d8	27.401		25-125		69	SPK: -40
4165-60-0	Nitrobenzene-d5	28.564		20-125		71	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.326		20-130		73	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.46		20-120		69	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.758		1-146		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.339		25-130		71	SPK: -40
93951-97-4	Acenaphthylene-d8	28.253		10-130		71	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.361		10-150		56	SPK: -40
81103-79-9	Fluorene-d10	28.934		25-125		72	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.676		10-130		52	SPK: -40
1719-06-8	Anthracene-d10	30.755		25-130		77	SPK: -40
1718-52-1	Pyrene-d10	32.026		15-130		80	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.598		20-130		79	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	510658	8.069				
1146-65-2	Naphthalene-d8	1923792	10.898				
15067-26-2	Acenaphthene-d10	986508	14.716				
1517-22-2	Phenanthrene-d10	1903908	17.48				



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Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SBLK677	SDG No.:	BP080723
Lab Sample ID:	PB154677BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016523.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1563766	21.574				
1520-96-3	Perylene-d12	1775251	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1	SDG No.:	BP080723
Lab Sample ID:	O3889-01	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
BP016524.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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TARGETS

123-91-1	1,4-Dioxane	0.69	U	0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	1.2	U	1.2	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.2	U	1.2	5	10	ug/L
95-57-8	2-Chlorophenol	0.9	U	0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	1.2	U	1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2	U	2	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1	U	1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.2	U	1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	0.71	U	0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	0.76	U	0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.1	U	1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.4	U	1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	0.85	U	0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	2.5	5	ug/L
91-20-3	Naphthalene	2.8	J	0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.2	U	1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.5	U	2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.1	U	1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.2	U	1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	0.83	U	0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	2.3	U	2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1	U	1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.86	U	0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	0.81	U	0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	0.86	U	0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1	SDG No.:	BP080723
Lab Sample ID:	O3889-01	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
BP016524.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	0.55	U	0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	0.7	U	0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	1.1	J	0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.96	U	0.96	5	10	ug/L
83-32-9	Acenaphthene	120	E	0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2	U	2	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.9	U	0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	0.88	U	0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	0.48	U	0.48	2.5	5	ug/L
86-73-7	Fluorene	34		0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.4	U	1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.1	U	2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.84	U	0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.98	U	0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.77	U	0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.65	U	0.65	2.5	5	ug/L
1912-24-9	Atrazine	1.5	U	1.5	5	10	ug/L
87-86-5	Pentachlorophenol	1.6	U	1.6	5	10	ug/L
85-01-8	Phenanthrene	0.88	U	0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	2.3	U	2.3	2.5	5	ug/L
120-12-7	Anthracene	4.2	J	1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.4	U	1.4	2.5	5	ug/L
86-74-8	Carbazole	4	J	1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.39	U	0.39	2.5	5	ug/L
206-44-0	Fluoranthene	15		1.1	5	5	ug/L
129-00-0	Pyrene	7.5		1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.67	U	0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.85	U	0.85	2.5	5	ug/L
218-01-9	Chrysene	0.88	U	0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.91	U	0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1	SDG No.:	BP080723
Lab Sample ID:	O3889-01	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
BP016524.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	0.62	U	0.62	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	0.76	U	0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	0.54	U	0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.66	U	0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.59	U	0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	0.71	U	0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.67	U	0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.855		15-120		36	SPK: -8
7291-22-7	Pyridine-d5	8.646		20-120		22	SPK: -40
4165-62-2	Phenol-d5	5.574		10-130		14	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.439		25-120		66	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.538		20-130		49	SPK: -40
190780-66-6	4-Methylphenol-d8	12.772		25-125		32	SPK: -40
4165-60-0	Nitrobenzene-d5	26.352		20-125		66	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.422		20-130		64	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	23.407		20-120		59	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.212		1-146		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.974		25-130		70	SPK: -40
93951-97-4	Acenaphthylene-d8	27.772		10-130		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.21		10-150		11	SPK: -40
81103-79-9	Fluorene-d10	28.193		25-125		70	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	22.71		10-130		57	SPK: -40
1719-06-8	Anthracene-d10	29.778		25-130		74	SPK: -40
1718-52-1	Pyrene-d10	30.853		15-130		77	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	30.461		20-130		76	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	517200	8.069				
1146-65-2	Naphthalene-d8	2003178	10.899				
15067-26-2	Acenaphthene-d10	1058305	14.716				
1517-22-2	Phenanthrene-d10	2050184	17.481				

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1	SDG No.:	BP080723
Lab Sample ID:	O3889-01	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
BP016524.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1659654	21.574				
1520-96-3	Perylene-d12	1879511	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
002416-94-6	Phenol, 2,3,6-trimethyl-	4.1	J			11.481	
004565-32-6	Benzo[b]thiophene, 2,3-dihydro-	4.9	J			12.022	
	unknown-01	2.4	J			12.681	
004318-76-7	Pyridine, 2,5-diamino-	6.6	J			13.746	
	unknown-02	3	J			13.881	
	unknown-03	2.8	J			14.04	
000581-40-8	Naphthalene, 2,3-dimethyl-	3.5	J			14.263	
000575-43-9	Naphthalene, 1,6-dimethyl-	2.7	J			14.298	
002320-32-3	Benzene, [1-(2,4-cyclopentadien-1-	3.4	J			15.022	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	2.6	J			15.316	
000643-58-3	1,1-Biphenyl, 2-methyl-	6.6	J			15.887	
001855-47-6	1-Isopropenylnaphthalene	2.7	J			15.969	
000119-61-9	Benzophenone	3.2	J			16.087	
014562-09-5	2,4,6-Cycloheptatrien-1-one, 2-phe	7.8	J			16.198	
002235-15-6	1(2H)-Acenaphthylenone	6.4	J			16.457	
000613-31-0	Anthracene, 9,10-dihydro-	3.4	J			16.563	
003721-28-6	Cyclopropanamine, 2-phenyl-, trans	3.2	J			16.657	
019540-84-2	4a,9a-Methano-9H-fluorene	2.9	J			16.734	
000086-77-1	2-Dibenzofuranol	3.3	J			17.257	
000606-41-7	1-Naphthalenol, 2-amino-	3.2	J			17.339	
000947-84-2	2-Biphenylcarboxylic acid	2.6	J			18.122	
000057-10-3	n-Hexadecanoic acid	8.4	J			18.328	
006344-67-8	9H-Fluoren-3-ol	5.6	J			18.463	
000203-64-5	4H-Cyclopenta[def]phenanthrene	7.9	J			18.534	
001484-12-4	9H-Carbazole, 9-methyl-	2.5	J			18.769	
	unknown-04	2.4	J			18.822	
025877-73-0	5-Phenyl-1H-benzotriazole	6.1	J			20.227	
001015-89-0	6(5H)-Phenanthridinone	12	J			20.292	
000643-62-9	9-Acridinol	7.9	J			20.916	



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1	SDG No.:	BP080723
Lab Sample ID:	O3889-01	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016524.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
330207-53-9	E-14-Hexadecenal	4.3	J			21.239	
E966796	Total Alkanes	0.81	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1DL	SDG No.:	BP080723
Lab Sample ID:	O3889-01DL	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
BP016525.D	10	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6.9	U	6.9	5	20	ug/L
100-52-7	Benzaldehyde	12	U	12	50	100	ug/L
110-86-1	Pyridine	14	U	14	100	100	ug/L
108-95-2	Phenol	14	U	14	50	100	ug/L
111-44-4	Bis(2-Chloroethyl)ether	12	U	12	50	100	ug/L
95-57-8	2-Chlorophenol	9	U	9	25	50	ug/L
95-48-7	2-Methylphenol	12	U	12	50	100	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	20	U	20	50	100	ug/L
98-86-2	Acetophenone	15	U	15	50	100	ug/L
106-44-5	4-Methylphenol	10	U	10	50	100	ug/L
621-64-7	N-Nitroso-di-n-propylamine	12	U	12	25	50	ug/L
67-72-1	Hexachloroethane	7.1	U	7.1	25	50	ug/L
98-95-3	Nitrobenzene	14	U	14	25	50	ug/L
78-59-1	Isophorone	7.6	U	7.6	25	50	ug/L
88-75-5	2-Nitrophenol	11	U	11	25	50	ug/L
105-67-9	2,4-Dimethylphenol	14	U	14	25	50	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	8.5	U	8.5	25	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	25	50	ug/L
91-20-3	Naphthalene	9.1	U	9.1	25	50	ug/L
106-47-8	4-Chloroaniline	12	U	12	25	100	ug/L
87-68-3	Hexachlorobutadiene	9.8	U	9.8	25	50	ug/L
105-60-2	Caprolactam	25	U	25	50	100	ug/L
59-50-7	4-Chloro-3-methylphenol	11	U	11	25	50	ug/L
90-12-0	1-Methylnaphthalene	12	U	12	25	50	ug/L
91-57-6	2-Methylnaphthalene	8.3	U	8.3	25	50	ug/L
77-47-4	Hexachlorocyclopentadiene	23	U	23	50	100	ug/L
88-06-2	2,4,6-Trichlorophenol	10	U	10	25	50	ug/L
95-95-4	2,4,5-Trichlorophenol	8.6	U	8.6	25	50	ug/L
92-52-4	1,1-Biphenyl	8.1	U	8.1	25	50	ug/L
91-58-7	2-Chloronaphthalene	8.6	U	8.6	25	50	ug/L
88-74-4	2-Nitroaniline	14	U	14	25	50	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1DL	SDG No.:	BP080723
Lab Sample ID:	O3889-01DL	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
BP016525.D	10	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	5.5	U	5.5	25	50	ug/L
606-20-2	2,6-Dinitrotoluene	7	U	7	25	50	ug/L
208-96-8	Acenaphthylene	7.5	U	7.5	25	50	ug/L
99-09-2	3-Nitroaniline	9.6	U	9.6	50	100	ug/L
83-32-9	Acenaphthene	170	D	8.7	25	50	ug/L
51-28-5	2,4-Dinitrophenol	20	U	20	50	100	ug/L
100-02-7	4-Nitrophenol	14	U	14	50	100	ug/L
132-64-9	Dibenzofuran	9	U	9	25	50	ug/L
121-14-2	2,4-Dinitrotoluene	8.8	U	8.8	25	50	ug/L
84-66-2	Diethylphthalate	4.8	U	4.8	25	50	ug/L
86-73-7	Fluorene	40	JD	9.8	25	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	7.7	U	7.7	25	50	ug/L
100-01-6	4-Nitroaniline	14	U	14	50	100	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	21	U	21	50	100	ug/L
86-30-6	N-Nitrosodiphenylamine	8.4	U	8.4	25	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	9.8	U	9.8	25	50	ug/L
101-55-3	4-Bromophenyl-phenylether	7.7	U	7.7	25	50	ug/L
118-74-1	Hexachlorobenzene	6.5	U	6.5	25	50	ug/L
1912-24-9	Atrazine	15	U	15	50	100	ug/L
87-86-5	Pentachlorophenol	16	U	16	50	100	ug/L
85-01-8	Phenanthrene	8.8	U	8.8	25	50	ug/L
608-93-5	Pentachlorobenzene	23	U	23	25	50	ug/L
120-12-7	Anthracene	11	U	11	25	50	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	14	U	14	25	50	ug/L
86-74-8	Carbazole	12	U	12	50	100	ug/L
84-74-2	Di-n-butylphthalate	3.9	U	3.9	25	50	ug/L
206-44-0	Fluoranthene	15	JD	11	50	50	ug/L
129-00-0	Pyrene	12	U	12	25	50	ug/L
85-68-7	Butylbenzylphthalate	6.7	U	6.7	25	50	ug/L
91-94-1	3,3-Dichlorobenzidine	11	U	11	50	100	ug/L
56-55-3	Benzo(a)anthracene	8.5	U	8.5	25	50	ug/L
218-01-9	Chrysene	8.8	U	8.8	25	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	9.1	U	9.1	25	50	ug/L

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1DL	SDG No.:	BP080723
Lab Sample ID:	O3889-01DL	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
BP016525.D	10	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	6.2	U	6.2	50	100	ug/L
205-99-2	Benzo(b)fluoranthene	11	U	11	25	50	ug/L
207-08-9	Benzo(k)fluoranthene	7.6	U	7.6	25	50	ug/L
50-32-8	Benzo(a)pyrene	5.4	U	5.4	25	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	6.6	U	6.6	25	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.9	U	5.9	25	50	ug/L
191-24-2	Benzo(g,h,i)perylene	7.1	U	7.1	25	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	6.7	U	6.7	25	50	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.32		15-120		41	SPK: -8
7291-22-7	Pyridine-d5	10		20-120		25	SPK: -40
4165-62-2	Phenol-d5	5.81		10-130		15	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.8		25-120		72	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.61		20-130		49	SPK: -40
190780-66-6	4-Methylphenol-d8	11.95		25-125		30	SPK: -40
4165-60-0	Nitrobenzene-d5	26.17		20-125		65	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.34		20-130		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21		20-120		52	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.89		1-146		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.17		25-130		75	SPK: -40
93951-97-4	Acenaphthylene-d8	27.63		10-130		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	32.3		25-125		81	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	0	U	10-130		0	SPK: -40
1719-06-8	Anthracene-d10	32.81		25-130		82	SPK: -40
1718-52-1	Pyrene-d10	33.92		15-130		85	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.28		20-130		78	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	455788	8.069				
1146-65-2	Naphthalene-d8	1707127	10.899				
15067-26-2	Acenaphthene-d10	863434	14.716				
1517-22-2	Phenanthrene-d10	1745054	17.481				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	C0AF1DL	SDG No.:	BP080723
Lab Sample ID:	O3889-01DL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016525.D	10	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1492761	21.575				
1520-96-3	Perylene-d12	1679354	24.169				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	8.1	U			99	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SLCS677	SDG No.:	BP080723
Lab Sample ID:	PB154677BS	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
BP016526.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15		0.69	0.5	2	ug/L
100-52-7	Benzaldehyde	42		1.2	5	10	ug/L
110-86-1	Pyridine	35		1.4	10	10	ug/L
108-95-2	Phenol	38		1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	38		1.2	5	10	ug/L
95-57-8	2-Chlorophenol	38		0.9	2.5	5	ug/L
95-48-7	2-Methylphenol	38		1.2	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	36		2	5	10	ug/L
98-86-2	Acetophenone	38		1.5	5	10	ug/L
106-44-5	4-Methylphenol	38		1	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	38		1.2	2.5	5	ug/L
67-72-1	Hexachloroethane	37		0.71	2.5	5	ug/L
98-95-3	Nitrobenzene	38		1.4	2.5	5	ug/L
78-59-1	Isophorone	39		0.76	2.5	5	ug/L
88-75-5	2-Nitrophenol	41		1.1	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	38		1.4	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	38		0.85	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	39		0.88	2.5	5	ug/L
91-20-3	Naphthalene	37		0.91	2.5	5	ug/L
106-47-8	4-Chloroaniline	34		1.2	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	37		0.98	2.5	5	ug/L
105-60-2	Caprolactam	35		2.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	39		1.1	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	37		1.2	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	37		0.83	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	37		2.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	40		1	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	40		0.86	2.5	5	ug/L
92-52-4	1,1-Biphenyl	37		0.81	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	37		0.86	2.5	5	ug/L
88-74-4	2-Nitroaniline	41		1.4	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SLCS677	SDG No.:	BP080723
Lab Sample ID:	PB154677BS	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
BP016526.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	37		0.55	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	42		0.7	2.5	5	ug/L
208-96-8	Acenaphthylene	35		0.75	2.5	5	ug/L
99-09-2	3-Nitroaniline	39		0.96	5	10	ug/L
83-32-9	Acenaphthene	37		0.87	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	36		2	5	10	ug/L
100-02-7	4-Nitrophenol	38		1.4	5	10	ug/L
132-64-9	Dibenzofuran	37		0.9	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	41		0.88	2.5	5	ug/L
84-66-2	Diethylphthalate	38		0.48	2.5	5	ug/L
86-73-7	Fluorene	37		0.98	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36		0.77	2.5	5	ug/L
100-01-6	4-Nitroaniline	43		1.4	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	38		2.1	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	39		0.84	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	37		0.98	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	39		0.77	2.5	5	ug/L
118-74-1	Hexachlorobenzene	39		0.65	2.5	5	ug/L
1912-24-9	Atrazine	36		1.5	5	10	ug/L
87-86-5	Pentachlorophenol	38		1.6	5	10	ug/L
85-01-8	Phenanthrene	38		0.88	2.5	5	ug/L
608-93-5	Pentachlorobenzene	39		2.3	2.5	5	ug/L
120-12-7	Anthracene	38		1.1	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	37		1.4	2.5	5	ug/L
86-74-8	Carbazole	40		1.2	5	10	ug/L
84-74-2	Di-n-butylphthalate	40		0.39	2.5	5	ug/L
206-44-0	Fluoranthene	42		1.1	5	5	ug/L
129-00-0	Pyrene	41		1.2	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	43		0.67	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40		1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	39		0.85	2.5	5	ug/L
218-01-9	Chrysene	40		0.88	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43		0.91	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SLCS677	SDG No.:	BP080723
Lab Sample ID:	PB154677BS	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
BP016526.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	43		0.62	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	40		1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	40		0.76	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	38		0.54	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41		0.66	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	41		0.59	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	42		0.71	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	40		0.67	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.956		15-120		87	SPK: -8
7291-22-7	Pyridine-d5	36.243		20-120		91	SPK: -40
4165-62-2	Phenol-d5	39.595		10-130		99	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	38.076		25-120		95	SPK: -40
93951-73-6	2-Chlorophenol-d4	38.328		20-130		96	SPK: -40
190780-66-6	4-Methylphenol-d8	37.79		25-125		94	SPK: -40
4165-60-0	Nitrobenzene-d5	39.809		20-125		100	SPK: -40
93951-78-1	2-Nitrophenol-d4	42.895		20-130		107	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	40.064		20-120		100	SPK: -40
191656-33-4	4-Chloroaniline-d4	34.645		1-146		87	SPK: -40
85448-30-2	Dimethylphthalate-d6	36.91		25-130		92	SPK: -40
93951-97-4	Acenaphthylene-d8	38.057		10-130		95	SPK: -40
93951-79-2	4-Nitrophenol-d4	37.212		10-150		93	SPK: -40
81103-79-9	Fluorene-d10	37.261		25-125		93	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	38.668		10-130		97	SPK: -40
1719-06-8	Anthracene-d10	39.091		25-130		98	SPK: -40
1718-52-1	Pyrene-d10	41.171		15-130		103	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	41.104		20-130		103	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	418577	8.069				
1146-65-2	Naphthalene-d8	1600093	10.898				
15067-26-2	Acenaphthene-d10	845770	14.716				
1517-22-2	Phenanthrene-d10	1615949	17.48				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	SLCS677	SDG No.:	BP080723
Lab Sample ID:	PB154677BS	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
BP016526.D	1	8/7/2023 12:00:00 AM	8/7/2023 12:00:00 AM	PB154677

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1291684	21.58				
1520-96-3	Perylene-d12	1408765	24.168				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.81	U			99	ug/L

Hit Summary Sheet

SW-846

SDG No.: BP080723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	X3H47							
O3805-03	X3H47	Water	Benzene, 1,2-dichloro-	*	33.000	J		
O3805-03	X3H47	Water	Benzene, 1,3,5-trichloro-	*	82.000	J		
O3805-03	X3H47	Water	Benzene, 1,4-dichloro-	*	43.000	J		
O3805-03	X3H47	Water	Total Alkanes	*	0.000	0.81	5	ug/L
			Total Tics :		158.00			
O3805-03	X3H47	Water	2,6-Dinitrotoluene		20.000	0.7	5	ug/L
O3805-03	X3H47	Water	2-Chloronaphthalene		87.000	E 0.86	5	ug/L
O3805-03	X3H47	Water	2-Methylnaphthalene		62.000	0.83	5	ug/L
O3805-03	X3H47	Water	4-Bromophenyl-phenylether		89.000	E 0.77	5	ug/L
O3805-03	X3H47	Water	4-Chlorophenyl-phenylether		150.000	E 0.77	5	ug/L
O3805-03	X3H47	Water	Acenaphthylene		39.000	0.75	5	ug/L
O3805-03	X3H47	Water	Anthracene		46.000	1.1	5	ug/L
O3805-03	X3H47	Water	Benzo(a)pyrene		40.000	0.54	5	ug/L
O3805-03	X3H47	Water	Benzo(b)fluoranthene		33.000	1.1	5	ug/L
O3805-03	X3H47	Water	Benzo(k)fluoranthene		62.000	0.76	5	ug/L
O3805-03	X3H47	Water	Bis(2-Chloroethoxy)methane		140.000	E 0.85	5	ug/L
O3805-03	X3H47	Water	Bis(2-Chloroethyl)ether		77.000	1.2	10	ug/L
O3805-03	X3H47	Water	Chrysene		40.000	0.88	5	ug/L
O3805-03	X3H47	Water	Di-n-butylphthalate		64.000	0.39	5	ug/L
O3805-03	X3H47	Water	Di-n-octyl phthalate		31.000	0.62	10	ug/L
O3805-03	X3H47	Water	Dibenzo(a,h)anthracene		28.000	0.59	5	ug/L
O3805-03	X3H47	Water	Diethylphthalate		55.000	0.48	5	ug/L
O3805-03	X3H47	Water	Dimethylphthalate		48.000	0.55	5	ug/L
O3805-03	X3H47	Water	Fluorene		35.000	0.98	5	ug/L
O3805-03	X3H47	Water	Hexachlorobenzene		79.000	0.65	5	ug/L
O3805-03	X3H47	Water	Hexachlorobutadiene		130.000	E 0.98	5	ug/L
O3805-03	X3H47	Water	Hexachlorocyclopentadiene		84.000	2.3	10	ug/L
O3805-03	X3H47	Water	Hexachloroethane		60.000	0.71	5	ug/L
O3805-03	X3H47	Water	Indeno(1,2,3-cd)pyrene		54.000	0.66	5	ug/L
O3805-03	X3H47	Water	Isophorone		150.000	E 0.76	5	ug/L
O3805-03	X3H47	Water	N-Nitroso-di-n-propylamine		31.000	1.2	5	ug/L
O3805-03	X3H47	Water	Naphthalene		110.000	E 0.91	5	ug/L
O3805-03	X3H47	Water	Nitrobenzene		68.000	1.4	5	ug/L
O3805-03	X3H47	Water	Phenanthrene		39.000	0.88	5	ug/L
			Total Svoc :		1,951.00			
			Total Concentration:		2,109.00			
Client ID :	X3H47DL							
O3805-03DL	X3H47DL	Water	Benzene, 1,3,5-trichloro-	*	88.000	JD		
O3805-03DL	X3H47DL	Water	Benzene, 1,3-dichloro-	*	47.000	JD		

Hit Summary Sheet SW-846

SDG No.: BP080723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O3805-03DL	X3H47DL	Water	Benzene, 1,4-dichloro-	*	35.000	JD		
O3805-03DL	X3H47DL	Water	N-Nitrosodimethylamine	*	42.000	JD		
O3805-03DL	X3H47DL	Water	Total Alkanes	*	0.000	D 3.24	20	ug/L
Total Tics :				212.00				
O3805-03DL	X3H47DL	Water	2,6-Dinitrotoluene		15.000	JD 2.8	20	ug/L
O3805-03DL	X3H47DL	Water	2-Chloronaphthalene		93.000	D 3.44	20	ug/L
O3805-03DL	X3H47DL	Water	2-Methylnaphthalene		65.000	D 3.32	20	ug/L
O3805-03DL	X3H47DL	Water	4-Bromophenyl-phenylether		91.000	D 3.08	20	ug/L
O3805-03DL	X3H47DL	Water	4-Chlorophenyl-phenylether		180.000	D 3.08	20	ug/L
O3805-03DL	X3H47DL	Water	Acenaphthylene		39.000	D 3	20	ug/L
O3805-03DL	X3H47DL	Water	Anthracene		48.000	D 4.4	20	ug/L
O3805-03DL	X3H47DL	Water	Benzo(a)pyrene		39.000	D 2.16	20	ug/L
O3805-03DL	X3H47DL	Water	Benzo(b)fluoranthene		33.000	D 4.4	20	ug/L
O3805-03DL	X3H47DL	Water	Benzo(k)fluoranthene		61.000	D 3.04	20	ug/L
O3805-03DL	X3H47DL	Water	Bis(2-Chloroethoxy)methane		160.000	D 3.4	20	ug/L
O3805-03DL	X3H47DL	Water	Bis(2-Chloroethyl)ether		81.000	D 4.8	40	ug/L
O3805-03DL	X3H47DL	Water	Chrysene		42.000	D 3.52	20	ug/L
O3805-03DL	X3H47DL	Water	Di-n-butylphthalate		62.000	D 1.56	20	ug/L
O3805-03DL	X3H47DL	Water	Di-n-octyl phthalate		25.000	JD 2.48	40	ug/L
O3805-03DL	X3H47DL	Water	Dibenzo(a,h)anthracene		26.000	D 2.36	20	ug/L
O3805-03DL	X3H47DL	Water	Diethylphthalate		55.000	D 1.92	20	ug/L
O3805-03DL	X3H47DL	Water	Dimethylphthalate		49.000	D 2.2	20	ug/L
O3805-03DL	X3H47DL	Water	Fluorene		42.000	D 3.92	20	ug/L
O3805-03DL	X3H47DL	Water	Hexachlorobenzene		82.000	D 2.6	20	ug/L
O3805-03DL	X3H47DL	Water	Hexachlorobutadiene		150.000	D 3.92	20	ug/L
O3805-03DL	X3H47DL	Water	Hexachlorocyclopentadiene		77.000	D 9.2	40	ug/L
O3805-03DL	X3H47DL	Water	Hexachloroethane		60.000	D 2.84	20	ug/L
O3805-03DL	X3H47DL	Water	Indeno(1,2,3-cd)pyrene		51.000	D 2.64	20	ug/L
O3805-03DL	X3H47DL	Water	Isophorone		160.000	D 3.04	20	ug/L
O3805-03DL	X3H47DL	Water	N-Nitroso-di-n-propylamine		31.000	D 4.8	20	ug/L
O3805-03DL	X3H47DL	Water	Naphthalene		120.000	D 3.64	20	ug/L
O3805-03DL	X3H47DL	Water	Nitrobenzene		68.000	D 5.6	20	ug/L
O3805-03DL	X3H47DL	Water	Phenanthrene		41.000	D 3.52	20	ug/L

Total Svoc : 2,046.00

Total Concentration: 2,258.00

Client ID : X3H66

O3805-07	X3H66	Solid	(DEL) Alkane: Straight-Chain23.2	*	110.000	J	
O3805-07	X3H66	Solid	(DEL) Alkane: Straight-Chain24.7	*	160.000	J	
O3805-07	X3H66	Solid	(DEL) Alkane: Straight-Chain24.9	*	170.000	J	
O3805-07	X3H66	Solid	8-Octadecenoic acid, methyl ester	*	170.000	J	
O3805-07	X3H66	Solid	9,10-Anthracenedione	*	200.000	J	
O3805-07	X3H66	Solid	Benzene, 1,2-dichloro-	*	5,000.000	J	

Hit Summary Sheet SW-846

SDG No.: BP080723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3805-07	X3H66	Solid	Benzene, 1,4-dichloro-	*	2,000.000	J		
O3805-07	X3H66	Solid	Benzene, pentachloro-	*	84.000	J		
O3805-07	X3H66	Solid	Benzenesulfonamide, N,4-dimethy	*	72.000	J		
O3805-07	X3H66	Solid	Methyl 8-methyl-decanoate	*	69.000	J		
O3805-07	X3H66	Solid	Methyl stearate	*	77.000	J		
O3805-07	X3H66	Solid	n-Hexadecanoic acid	*	240.000	J		
O3805-07	X3H66	Solid	Pentadecanoic acid, 14-methyl-, n	*	120.000	J		
O3805-07	X3H66	Solid	Undecanoic acid, methyl ester	*	90.000	J		
O3805-07	X3H66	Solid	unknown-01	*	67.000	J		
O3805-07	X3H66	Solid	Total Alkanes	*	440.000	27	170	ug/Kg
Total Tics :				9,069.00				
O3805-07	X3H66	Solid	2,3,4,6-Tetrachlorophenol		87.000	J 31	170	ug/Kg
O3805-07	X3H66	Solid	2,4,5-Trichlorophenol		5,900.000	E 34	170	ug/Kg
O3805-07	X3H66	Solid	2,4,6-Trichlorophenol		3,100.000	E 32	170	ug/Kg
O3805-07	X3H66	Solid	2,4-Dichlorophenol		2,400.000	27	170	ug/Kg
O3805-07	X3H66	Solid	2,4-Dinitrotoluene		5,100.000	E 35	170	ug/Kg
O3805-07	X3H66	Solid	2,6-Dinitrotoluene		9,200.000	E 27	170	ug/Kg
O3805-07	X3H66	Solid	2-Chloronaphthalene		2,500.000	32	170	ug/Kg
O3805-07	X3H66	Solid	2-Chlorophenol		3,500.000	E 26	170	ug/Kg
O3805-07	X3H66	Solid	2-Nitrophenol		2,600.000	37	170	ug/Kg
O3805-07	X3H66	Solid	4-Chloro-3-methylphenol		4,400.000	E 34	170	ug/Kg
O3805-07	X3H66	Solid	4-Chlorophenyl-phenylether		4,600.000	E 28	170	ug/Kg
O3805-07	X3H66	Solid	4-Nitrophenol		6,000.000	E 44	330	ug/Kg
O3805-07	X3H66	Solid	Acenaphthene		4,000.000	E 30	170	ug/Kg
O3805-07	X3H66	Solid	Acenaphthylene		5,000.000	E 29	170	ug/Kg
O3805-07	X3H66	Solid	Anthracene		2,600.000	35	170	ug/Kg
O3805-07	X3H66	Solid	Benzo(a)anthracene		3,700.000	E 32	170	ug/Kg
O3805-07	X3H66	Solid	Benzo(k)fluoranthene		5,100.000	E 23	170	ug/Kg
O3805-07	X3H66	Solid	Bis(2-Chloroethoxy)methane		2,800.000	E 27	170	ug/Kg
O3805-07	X3H66	Solid	Bis(2-Chloroethyl)ether		1,800.000	36	330	ug/Kg
O3805-07	X3H66	Solid	Bis(2-ethylhexyl)phthalate		6,700.000	E 44	170	ug/Kg
O3805-07	X3H66	Solid	Chrysene		4,500.000	E 30	170	ug/Kg
O3805-07	X3H66	Solid	Di-n-butylphthalate		4,300.000	E 28	170	ug/Kg
O3805-07	X3H66	Solid	Dibenzo(a,h)anthracene		3,900.000	E 27	170	ug/Kg
O3805-07	X3H66	Solid	Diethylphthalate		6,100.000	E 22	170	ug/Kg
O3805-07	X3H66	Solid	Fluoranthene		4,500.000	E 54	170	ug/Kg
O3805-07	X3H66	Solid	Fluorene		1,500.000	32	170	ug/Kg
O3805-07	X3H66	Solid	Hexachlorobenzene		7,400.000	E 34	170	ug/Kg
O3805-07	X3H66	Solid	Hexachloroethane		4,600.000	E 24	170	ug/Kg
O3805-07	X3H66	Solid	N-Nitroso-di-n-propylamine		5,200.000	E 41	170	ug/Kg
O3805-07	X3H66	Solid	Naphthalene		5,100.000	E 31	170	ug/Kg
O3805-07	X3H66	Solid	Nitrobenzene		1,700.000	50	170	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP080723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3805-07	X3H66	Solid	Pentachlorophenol	7,200.000	E	55	330	ug/Kg
O3805-07	X3H66	Solid	Phenanthrene	2,000.000		31	170	ug/Kg
O3805-07	X3H66	Solid	Phenol	5,600.000	E	40	330	ug/Kg
O3805-07	X3H66	Solid	Pyrene	2,700.000	E	54	170	ug/Kg
Total Svoc :				147,387.00				
Total Concentration:				156,456.00				
Client ID : X3H66DL								
O3805-07DL	X3H66DL	Solid	Benzene, 1,2-dichloro-	*	1,700.000	JD		
O3805-07DL	X3H66DL	Solid	Benzene, 1,3-dichloro-	*	4,600.000	JD		
O3805-07DL	X3H66DL	Solid	Total Alkanes	*	0.000	D 130	850	ug/Kg
Total Tics :				6,300.00				
O3805-07DL	X3H66DL	Solid	2,4,5-Trichlorophenol		6,100.000	D 170	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2,4,6-Trichlorophenol		2,900.000	D 160	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2,4-Dichlorophenol		2,300.000	D 130	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2,4-Dinitrotoluene		4,600.000	D 170	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2,6-Dinitrotoluene		8,800.000	D 130	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2-Chloronaphthalene		2,700.000	D 160	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2-Chlorophenol		3,600.000	D 130	850	ug/Kg
O3805-07DL	X3H66DL	Solid	2-Nitrophenol		2,200.000	D 180	850	ug/Kg
O3805-07DL	X3H66DL	Solid	4-Chloro-3-methylphenol		4,300.000	D 170	850	ug/Kg
O3805-07DL	X3H66DL	Solid	4-Chlorophenyl-phenylether		5,600.000	D 140	850	ug/Kg
O3805-07DL	X3H66DL	Solid	4-Nitrophenol		5,500.000	D 220	1600	ug/Kg
O3805-07DL	X3H66DL	Solid	Acenaphthene		4,700.000	D 150	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Acenaphthylene		6,500.000	D 140	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Anthracene		2,900.000	D 170	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Benzo(a)anthracene		4,300.000	D 160	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Benzo(k)fluoranthene		6,000.000	D 110	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Bis(2-Chloroethoxy)methane		2,800.000	D 130	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Bis(2-Chloroethyl)ether		1,700.000	D 180	1600	ug/Kg
O3805-07DL	X3H66DL	Solid	Bis(2-ethylhexyl)phthalate		9,000.000	D 220	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Chrysene		5,800.000	D 150	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Di-n-butylphthalate		6,800.000	D 140	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Dibenzo(a,h)anthracene		3,900.000	D 130	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Diethylphthalate		7,400.000	D 110	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Fluoranthene		6,500.000	D 270	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Fluorene		1,800.000	D 160	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Hexachlorobenzene		8,700.000	D 170	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Hexachloroethane		4,700.000	D 120	850	ug/Kg
O3805-07DL	X3H66DL	Solid	N-Nitroso-di-n-propylamine		5,100.000	D 200	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Naphthalene		6,100.000	D 150	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Nitrobenzene		1,600.000	D 250	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Pentachlorophenol		7,000.000	D 270	1600	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BP080723

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3805-07DL	X3H66DL	Solid	Phenanthrene	2,100.000	D	150	850	ug/Kg
O3805-07DL	X3H66DL	Solid	Phenol	5,700.000	D	200	1600	ug/Kg
O3805-07DL	X3H66DL	Solid	Pyrene	3,000.000	D	270	850	ug/Kg
Total Svoc :				162,700.00				
Total Concentration:				169,000.00				

Client ID : C0AF1

O3889-01	C0AF1	Water	1(2H)-Acenaphthylenone	*	6.400	J		
O3889-01	C0AF1	Water	1,1-Biphenyl, 2-methyl-	*	6.600	J		
O3889-01	C0AF1	Water	1-Isopropenylnaphthalene	*	2.700	J		
O3889-01	C0AF1	Water	1-Naphthalenol, 2-amino-	*	3.200	J		
O3889-01	C0AF1	Water	2,4,6-Cycloheptatrien-1-one, 2-ph	*	7.800	J		
O3889-01	C0AF1	Water	2-Biphenylcarboxylic acid	*	2.600	J		
O3889-01	C0AF1	Water	2-Dibenzofuranol	*	3.300	J		
O3889-01	C0AF1	Water	4a,9a-Methano-9H-fluorene	*	2.900	J		
O3889-01	C0AF1	Water	4H-Cyclopenta[def]phenanthrene	*	7.900	J		
O3889-01	C0AF1	Water	5-Phenyl-1H-benzotriazole	*	6.100	J		
O3889-01	C0AF1	Water	6(5H)-Phenanthridinone	*	12.000	J		
O3889-01	C0AF1	Water	9-Acridinol	*	7.900	J		
O3889-01	C0AF1	Water	9H-Carbazole, 9-methyl-	*	2.500	J		
O3889-01	C0AF1	Water	9H-Fluoren-3-ol	*	5.600	J		
O3889-01	C0AF1	Water	Anthracene, 9,10-dihydro-	*	3.400	J		
O3889-01	C0AF1	Water	Benzene, [1-(2,4-cyclopentadien-1	*	3.400	J		
O3889-01	C0AF1	Water	Benzo[b]thiophene, 2,3-dihydro-	*	4.900	J		
O3889-01	C0AF1	Water	Benzophenone	*	3.200	J		
O3889-01	C0AF1	Water	Cyclopropanamine, 2-phenyl-, tra	*	3.200	J		
O3889-01	C0AF1	Water	E-14-Hexadecenal	*	4.300	J		
O3889-01	C0AF1	Water	n-Hexadecanoic acid	*	8.400	J		
O3889-01	C0AF1	Water	Naphthalene, 1,6-dimethyl-	*	2.700	J		
O3889-01	C0AF1	Water	Naphthalene, 2,3,6-trimethyl-	*	2.600	J		
O3889-01	C0AF1	Water	Naphthalene, 2,3-dimethyl-	*	3.500	J		
O3889-01	C0AF1	Water	Phenol, 2,3,6-trimethyl-	*	4.100	J		
O3889-01	C0AF1	Water	Pyridine, 2,5-diamino-	*	6.600	J		
O3889-01	C0AF1	Water	unknown-01	*	2.400	J		
O3889-01	C0AF1	Water	unknown-02	*	3.000	J		
O3889-01	C0AF1	Water	unknown-03	*	2.800	J		
O3889-01	C0AF1	Water	unknown-04	*	2.400	J		
O3889-01	C0AF1	Water	Total Alkanes	*	0.000	0.81	5	ug/L
Total Tics :				138.40				
O3889-01	C0AF1	Water	Acenaphthene		120.000	E 0.87	5	ug/L
O3889-01	C0AF1	Water	Acenaphthylene		1.100	J 0.75	5	ug/L
O3889-01	C0AF1	Water	Anthracene		4.200	J 1.1	5	ug/L
O3889-01	C0AF1	Water	Carbazole		4.000	J 1.2	10	ug/L



Hit Summary Sheet
SW-846

SDG No.: BP080723

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O3889-01	C0AF1	Water	Fluoranthene	15.000		1.1	5	ug/L
O3889-01	C0AF1	Water	Fluorene	34.000		0.98	5	ug/L
O3889-01	C0AF1	Water	Naphthalene	2.800	J	0.91	5	ug/L
O3889-01	C0AF1	Water	Pyrene	7.500		1.2	5	ug/L
Total Svoc :				188.60				
Total Concentration:				327.00				
Client ID :	C0AF1DL							
O3889-01DL	C0AF1DL	Water	Total Alkanes	*	0.000	D 8.1	50	ug/L
Total Tics :				0.00				
O3889-01DL	C0AF1DL	Water	Acenaphthene	170.000	D	8.7	50	ug/L
O3889-01DL	C0AF1DL	Water	Fluoranthene	15.000	JD	11	50	ug/L
O3889-01DL	C0AF1DL	Water	Fluorene	40.000	JD	9.8	50	ug/L
Total Svoc :				225.00				
Total Concentration:				225.00				
Client ID :	BH315							
O3901-01	BH315	Water	Total Alkanes	*	0.000	0.81	5	ug/L
Total Tics :				0.00				
Total Concentration:				0.00				
Client ID :	BH316							
O3901-02	BH316	Water	Total Alkanes	*	0.000	0.81	5	ug/L
Total Tics :				0.00				
Total Concentration:				0.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BP080423

SAS No.: BP080423

SDG No.: BP080423

Instrument ID:

Calibration Date(s): 8/4/2023 1:

Calibration Time(s): 11:48

LAB FILE ID:		RRFAL1 = BP016497.D		RRFAL2 = BP016498.D		RRFAL3 = BP016499.D		
		RRFAL4 = BP016500.D		RRFAL5 = BP016501.D		RRFAL6 = BP016502.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.571	0.551	0.613	0.605	0.614		0.591	4.8
Benzaldehyde		0.994	1.016	0.924	0.647	0.524	0.821	27.0
Pyridine		1.394	1.536	1.545	1.510	1.372	1.472	5.6
Hexachloroethane	0.538	0.527	0.578	0.583	0.566		0.558	4.4
Nitrobenzene	0.336	0.345	0.385	0.383	0.375		0.365	6.2
Isophorone	0.563	0.590	0.665	0.676	0.675		0.634	8.4
2-Nitrophenol	0.121	0.141	0.166	0.175	0.181		0.157	16.2
2,4-Dimethylphenol	0.311	0.329	0.354	0.352	0.343		0.338	5.3
Bis(2-Chloroethoxy)methane	0.417	0.413	0.447	0.442	0.434		0.430	3.5
2,4-Dichlorophenol	0.256	0.263	0.296	0.298	0.294		0.281	7.1
Naphthalene	1.024	1.011	1.082	1.050	1.014		1.036	2.9
4-Chloroaniline		0.383	0.425	0.418	0.405	0.362	0.399	6.6
Hexachlorobutadiene	0.184	0.181	0.195	0.193	0.190		0.189	3.1
Phenol		1.563	1.689	1.688	1.654	1.583	1.635	3.6
Caprolactam		0.060	0.083	0.089	0.094	0.095	0.084	17.2
4-Chloro-3-methylphenol	0.233	0.251	0.296	0.302	0.303		0.277	11.7
1-Methylnaphthalene	0.611	0.634	0.695	0.674	0.654		0.654	5.0
2-Methylnaphthalene	0.631	0.633	0.685	0.674	0.656		0.656	3.7
Hexachlorocyclopentadiene		0.321	0.364	0.392	0.409	0.378	0.373	9.0
2,4,6-Trichlorophenol	0.286	0.328	0.385	0.405	0.407		0.362	14.7
2,4,5-Trichlorophenol	0.327	0.358	0.415	0.430	0.435		0.393	12.2
1,1-Biphenyl	1.513	1.516	1.618	1.571	1.511		1.546	3.1
2-Chloronaphthalene	1.209	1.212	1.273	1.252	1.203		1.230	2.5
2-Nitroaniline	0.226	0.247	0.306	0.330	0.337		0.289	17.3
Bis(2-Chloroethyl)ether		1.311	1.406	1.407	1.375	1.274	1.355	4.4
Dimethylphthalate	1.328	1.313	1.484	1.466	1.410		1.400	5.6
2,6-Dinitrotoluene	0.176	0.207	0.261	0.287	0.301		0.246	21.6
Acenaphthylene	1.811	1.875	2.054	2.024	1.910		1.935	5.3
3-Nitroaniline		0.234	0.291	0.298	0.274	0.258	0.271	9.6
Acenaphthene	1.238	1.237	1.332	1.305	1.246		1.272	3.5
2,4-Dinitrophenol		0.057	0.093	0.118	0.147	0.173	0.118	38.3
4-Nitrophenol		0.158	0.205	0.208	0.207	0.190	0.194	10.9
Dibenzofuran	1.697	1.686	1.825	1.754	1.660		1.724	3.8
2,4-Dinitrotoluene	0.248	0.287	0.376	0.407	0.418		0.347	21.8
Diethylphthalate	1.235	1.234	1.436	1.430	1.383		1.344	7.6
2-Chlorophenol	1.245	1.240	1.374	1.369	1.338		1.313	5.0

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.: BP080423

SAS No.: BP080423

SDG No.: BP080423

Instrument ID:

Calibration Date(s): 8/4/2023 1:

Calibration Time(s): 11:48

LAB FILE ID:		RRFAL1 = BP016497.D			RRFAL2 = BP016498.D		RRFAL3 = BP016499.D	
		RRFAL4 = BP016500.D			RRFAL5 = BP016501.D		RRFAL6 = BP016502.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.343	1.319	1.461	1.400	1.292		1.363	5.0
4-Chlorophenyl-phenylether	0.658	0.646	0.715	0.691	0.644		0.671	4.6
4-Nitroaniline		0.212	0.267	0.277	0.230	0.209	0.239	13.2
4,6-Dinitro-2-methylphenol		0.067	0.092	0.106	0.117	0.112	0.099	20.2
N-Nitrosodiphenylamine	0.534	0.547	0.590	0.581	0.555		0.561	4.2
1,2,4,5-Tetrachlorobenzene	0.619	0.615	0.652	0.647	0.632		0.633	2.6
4-Bromophenyl-phenylether	0.177	0.188	0.205	0.205	0.206		0.196	6.7
Hexachlorobenzene	0.218	0.222	0.240	0.236	0.234		0.230	4.1
Atrazine		0.165	0.200	0.206	0.205	0.181	0.192	9.3
Pentachlorophenol		0.098	0.129	0.144	0.152	0.145	0.134	16.1
2-Methylphenol		1.116	1.223	1.240	1.235	1.201	1.203	4.2
Phenanthrene	1.029	1.018	1.083	1.069	1.015		1.043	3.0
Pentachlorobenzene	0.258	0.269	0.282	0.276	0.268		0.271	3.4
Anthracene	1.010	1.015	1.109	1.086	1.021		1.048	4.4
1,2,3,4-Tetrachlorobenzene	0.295	0.324	0.329	0.325	0.322		0.319	4.3
Carbazole		0.868	0.988	0.983	0.945	0.762	0.909	10.5
Di-n-butylphthalate	0.896	0.932	1.147	1.158	1.134		1.053	12.2
Fluoranthene	1.205	1.283	1.373	1.357	1.320		1.308	5.1
Pyrene	1.335	1.380	1.439	1.419	1.336		1.382	3.4
Butylbenzylphthalate	0.407	0.432	0.538	0.574	0.586		0.508	16.3
3,3-Dichlorobenzidine		0.372	0.440	0.465	0.449	0.411	0.428	8.5
2,2-oxybis (1-Chloropropane)		1.583	1.705	1.679	1.625	1.520	1.622	4.6
Benzo (a) anthracene	1.263	1.264	1.384	1.384	1.335		1.326	4.6
Chrysene	1.226	1.197	1.305	1.292	1.228		1.250	3.7
Bis (2-ethylhexyl) phthalate	0.587	0.611	0.768	0.824	0.842		0.726	16.5
Di-n-octyl phthalate		0.924	1.183	1.258	1.279	0.924	1.114	15.9
Benzo (b) fluoranthene	1.086	1.107	1.262	1.224	1.223		1.180	6.7
Benzo (k) fluoranthene	1.110	1.098	1.246	1.260	1.224		1.188	6.5
Benzo (a) pyrene	1.010	1.045	1.187	1.185	1.169		1.119	7.6
Indeno (1,2,3-cd) pyrene	1.235	1.302	1.444	1.463	1.470		1.383	7.8
Dibenzo (a,h) anthracene	1.048	1.088	1.202	1.220	1.213		1.154	7.0
Benzo (g,h,i) perylene	1.015	1.054	1.156	1.173	1.187		1.117	6.9
Acetophenone		1.858	1.970	1.943	1.856	1.711	1.868	5.4
2,3,4,6-Tetrachlorophenol	0.239	0.269	0.327	0.341	0.345		0.304	15.7
1,4-Dioxane-d8	0.519	0.522	0.570	0.575	0.570		0.551	5.1
Pyridine-d5		1.337	1.483	1.515	1.479	1.351	1.433	5.8

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.: BP080423 SAS No.: BP080423 SDG No.: BP080423
Instrument ID: _____ Calibration Date(s): 8/4/2023 1: _____
Calibration Time(s): 11:48 _____

LAB FILE ID:		RRFAL1 = BP016497.D			RRFAL2 = BP016498.D		RRFAL3 = BP016499.D	
		RRFAL4 = BP016500.D			RRFAL5 = BP016501.D		RRFAL6 = BP016502.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.450	1.600	1.632	1.605	1.535	1.564	4.7
Bis-(2-Chloroethyl)ether-d8		0.937	1.001	1.004	0.972	0.903	0.964	4.5
2-Chlorophenol-d4	1.141	1.175	1.324	1.347	1.329		1.263	7.7
4-Methylphenol-d8		1.104	1.221	1.245	1.230	1.230	1.206	4.8
Nitrobenzene-d5	0.122	0.132	0.151	0.156	0.162		0.145	11.8
2-Nitrophenol-d4	0.099	0.114	0.142	0.154	0.166		0.135	20.6
2,4-Dichlorophenol-d3	0.233	0.254	0.291	0.297	0.298		0.275	10.7
4-Chloroaniline-d4		0.380	0.426	0.424	0.414	0.380	0.405	5.7
4-Methylphenol		1.190	1.309	1.305	1.293	1.300	1.279	3.9
Dimethylphthalate-d6	1.272	1.298	1.475	1.453	1.418		1.383	6.7
Acenaphthylene-d8	1.465	1.586	1.771	1.782	1.723		1.665	8.2
4-Nitrophenol-d4		0.196	0.263	0.283	0.289	0.271	0.260	14.3
Fluorene-d10	1.114	1.120	1.261	1.247	1.195		1.188	5.8
4,6-Dinitro-2-methylphenol		0.057	0.079	0.094	0.106	0.105	0.088	23.5
Anthracene-d10	0.785	0.828	0.922	0.907	0.875		0.863	6.6
Pyrene-d10	0.996	1.062	1.154	1.151	1.120		1.097	6.1
Benzo(a)pyrene-d12	0.836	0.880	1.014	1.025	1.034		0.958	9.7
N-Nitroso-di-n-propylamine	0.829	0.832	0.924	0.927	0.885		0.880	5.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723EPA Sample No.: SSTD020613 Date Analyzed: Aug 7 2023 12:00AMLab File ID: BP016499.D Time Analyzed: 10:27Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	408375	8.069	1.56202e+01	10.90	842029	14.72
	UPPER LIMIT	816750	8.569	3124040	11.399	1684058	15.216
	LOWER LIMIT	204187.5	7.569	781010	10.399	421014.5	14.216
	EPA SAMPLE NO.						
01	SBLK583	514324	8.07	1.96791e	10.90	1.04282e	14.72
02	X3H47	427114	8.07	1.62056e	10.90	860346	14.72
03	X3H47DL	436944	8.07	1.69493e	10.90	906413	14.72
04	SLCS583	443346	8.07	1.67187e	10.90	874009	14.72
05	SBLK581	534536	8.07	2.03832e	10.90	1.0677e+	14.72
06	X3H66	463816	8.07	1.87352e	10.90	1.01924e	14.72
07	X3H66DL	462065	8.07	1.78855e	10.90	942773	14.72
08	SLCS581	497672	8.07	1.9701e+	10.90	1.06492e	14.72
09	SBLK647	626024	8.06	2.37553e	10.90	1.22345e	14.72
10	SLCS647	443164	8.07	1.67237e	10.90	885548	14.72
11	BH315	395539	8.07	1.48785e	10.90	780779	14.72
12	BH316	627363	8.07	2.35577e	10.90	1.21237e	14.72
13	SBLK677	510658	8.07	1.92379e	10.90	986508	14.72
14	C0AF1	517200	8.07	2.00318e	10.90	1.05831e	14.72
15	C0AF1DL	455788	8.07	1.70713e	10.90	863434	14.72
16	SLCS677	418577	8.07	1.60009e	10.90	845770	14.72

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723

EPA Sample No.: SSTD020676 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BP016509.D Time Analyzed: 10:27

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	439302	8.069	1.65962e+01	10.90	867876	14.72
UPPER LIMIT	878604	8.569	3319240	11.398	1735752	15.216
LOWER LIMIT	219651	7.569	829810	10.398	433938	14.216
EPA SAMPLE NO.						
01 SBLK583	514324	8.07	1.96791e	10.90	1.04282e	14.72
02 X3H47	427114	8.07	1.62056e	10.90	860346	14.72
03 X3H47DL	436944	8.07	1.69493e	10.90	906413	14.72
04 SLCS583	443346	8.07	1.67187e	10.90	874009	14.72
05 SBLK581	534536	8.07	2.03832e	10.90	1.0677e+	14.72
06 X3H66	463816	8.07	1.87352e	10.90	1.01924e	14.72
07 X3H66DL	462065	8.07	1.78855e	10.90	942773	14.72
08 SLCS581	497672	8.07	1.9701e+	10.90	1.06492e	14.72

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: CHEMTECHLab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723EPA Sample No.: SSTD020677 Date Analyzed: Aug 7 2023 12:00AMLab File ID: BP016518.D Time Analyzed: 15:42Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	428262	8.069	1.61015e+04	10.90	840704	14.72
UPPER LIMIT	856524	8.569	3220300	11.399	1681408	15.216
LOWER LIMIT	214131	7.569	805075	10.399	420352	14.216
EPA SAMPLE NO.						
01 SBLK647	626024	8.06	2.37553e	10.90	1.22345e	14.72
02 SLCS647	443164	8.07	1.67237e	10.90	885548	14.72
03 BH315	395539	8.07	1.48785e	10.90	780779	14.72
04 BH316	627363	8.07	2.35577e	10.90	1.21237e	14.72
05 SBLK677	510658	8.07	1.92379e	10.90	986508	14.72
06 C0AF1	517200	8.07	2.00318e	10.90	1.05831e	14.72
07 C0AF1DL	455788	8.07	1.70713e	10.90	863434	14.72
08 SLCS677	418577	8.07	1.60009e	10.90	845770	14.72

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723

EPA Sample No.: SSTD020613 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BP016499.D Time Analyzed: 10:27

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.7179e+00	17.486	1.53752e+	21.58	1.67385e+0	24.174
UPPER LIMIT	3435800	17.986	3075040	22.08	3347700	24.674
LOWER LIMIT	858950	16.986	768760	21.08	836925	23.674
EPA SAMPLE NO.						
01 SBLK583	2.10325	17.48	1.81178e+	21.57	2.04674e+	24.17
02 X3H47	1.73156	17.48	1.47399e+	21.58	1.64336e+	24.17
03 X3H47DL	1.85633	17.48	1.62444e+	21.58	1.82494e+	24.17
04 SLCS583	1.7176e	17.48	1.50771e+	21.58	1.66234e+	24.17
05 SBLK581	2.13737	17.48	1.81749e+	21.58	2.0384e+0	24.17
06 X3H66	2.15455	17.49	1.76812e+	21.59	2.14325e+	24.17
07 X3H66DL	1.87807	17.48	1.56551e+	21.58	1.75447e+	24.17
08 SLCS581	2.05822	17.48	1.53239e+	21.58	1.60755e+	24.17
09 SBLK647	2.38889	17.49	2.033e+00	21.58	2.31637e+	24.18
10 SLCS647	1.7634e	17.48	1.5409e+0	21.58	1.73388e+	24.17
11 BH315	1.54846	17.48	1.31314e+	21.58	1.48595e+	24.17
12 BH316	2.40933	17.48	2.02698e+	21.58	2.33311e+	24.17
13 SBLK677	1.90391	17.48	1.56377e+	21.57	1.77525e+	24.17
14 C0AF1	2.05018	17.48	1.65965e+	21.57	1.87951e+	24.17
15 C0AF1DL	1.74505	17.48	1.49276e+	21.58	1.67935e+	24.17
16 SLCS677	1.61595	17.48	1.29168e+	21.58	1.40877e+	24.17

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723

EPA Sample No.: SSTD020613 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BP016499.D Time Analyzed: 19:42

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.7179e+00	17.486	1.53752e+	21.58	1.67385e+00	24.174
UPPER LIMIT	3435800	17.986	3075040	22.08	3347700	24.674
LOWER LIMIT	858950	16.986	768760	21.08	836925	23.674
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723

EPA Sample No.: SSTD020676 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BP016509.D Time Analyzed: 10:27

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.68946e+01	17.48	1.45136e+	21.58	1.62179e+01	24.168
UPPER LIMIT	3378920	17.98	2902720	22.08	3243580	24.668
LOWER LIMIT	844730	16.98	725680	21.08	810895	23.668
EPA SAMPLE NO.						
01 SBLK583	2.10325	17.48	1.81178e+	21.57	2.04674e+	24.17
02 X3H47	1.73156	17.48	1.47399e+	21.58	1.64336e+	24.17
03 X3H47DL	1.85633	17.48	1.62444e+	21.58	1.82494e+	24.17
04 SLCS583	1.7176e	17.48	1.50771e+	21.58	1.66234e+	24.17
05 SBLK581	2.13737	17.48	1.81749e+	21.58	2.0384e+0	24.17
06 X3H66	2.15455	17.49	1.76812e+	21.59	2.14325e+	24.17
07 X3H66DL	1.87807	17.48	1.56551e+	21.58	1.75447e+	24.17
08 SLCS581	2.05822	17.48	1.53239e+	21.58	1.60755e+	24.17

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080723 SAS No.: BP080723 SDG NO.: BP080723

EPA Sample No.: SSTD020677 Date Analyzed: Aug 7 2023 12:00AM

Lab File ID: BP016518.D Time Analyzed: 15:42

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.65311e+01	17.48	1.45257e+01	21.58	1.61515e+01	24.168
UPPER LIMIT	3306220	17.98	2905140	22.08	3230300	24.668
LOWER LIMIT	826555	16.98	726285	21.08	807575	23.668
EPA SAMPLE NO.						
01 SBLK647	2.38889	17.49	2.033e+00	21.58	2.31637e+01	24.18
02 SLCS647	1.7634e	17.48	1.5409e+01	21.58	1.73388e+01	24.17
03 BH315	1.54846	17.48	1.31314e+01	21.58	1.48595e+01	24.17
04 BH316	2.40933	17.48	2.02698e+01	21.58	2.33311e+01	24.17
05 SBLK677	1.90391	17.48	1.56377e+01	21.57	1.77525e+01	24.17
06 C0AF1	2.05018	17.48	1.65965e+01	21.57	1.87951e+01	24.17
07 C0AF1DL	1.74505	17.48	1.49276e+01	21.58	1.67935e+01	24.17
08 SLCS677	1.61595	17.48	1.29168e+01	21.58	1.40877e+01	24.17

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.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154581BS	1,4-Dioxane	530	450	ug/Kg	85				0	0		
	Benzaldehyde	1300	1300	ug/Kg	100				0	0		
	Pyridine	1300	1100	ug/Kg	85				0	0		
	Phenol	1300	1200	ug/Kg	92				0	0		
	Bis(2-chloroethyl)ether	1300	1200	ug/Kg	92				0	0		
	2-Chlorophenol	1300	1200	ug/Kg	92				0	0		
	2-Methylphenol	1300	1200	ug/Kg	92				0	0		
	2,2-oxybis(1-Chloropropane)	1300	1100	ug/Kg	85				0	0		
	Acetophenone	1300	1200	ug/Kg	92				0	0		
	4-Methylphenol	1300	1200	ug/Kg	92				0	0		
	N-Nitroso-di-n-propylamine	1300	1200	ug/Kg	92				0	0		
	Hexachloroethane	1300	1200	ug/Kg	92				0	0		
	Nitrobenzene	1300	1200	ug/Kg	92				0	0		
	Isophorone	1300	1200	ug/Kg	92				0	0		
	2-Nitrophenol	1300	1300	ug/Kg	100				0	0		
	2,4-Dimethylphenol	1300	1100	ug/Kg	85				0	0		
	Bis(2-chloroethoxy)methane	1300	1200	ug/Kg	92				0	0		
	2,4-Dichlorophenol	1300	1200	ug/Kg	92				0	0		
	Naphthalene	1300	1100	ug/Kg	85				0	0		
	4-Chloroaniline	1300	1100	ug/Kg	85				0	0		
	Hexachlorobutadiene	1300	1100	ug/Kg	85				0	0		
	Caprolactam	1300	1100	ug/Kg	85				0	0		
	4-Chloro-3-methylphenol	1300	1300	ug/Kg	100				0	0		
	1-Methylnaphthalene	1300	1100	ug/Kg	85				0	0		
	2-Methylnaphthalene	1300	1100	ug/Kg	85				0	0		
	Hexachlorocyclopentadiene	1300	1100	ug/Kg	85				0	0		
	2,4,6-Trichlorophenol	1300	1200	ug/Kg	92				0	0		
	2,4,5-Trichlorophenol	1300	1200	ug/Kg	92				0	0		
	1,1'-Biphenyl	1300	1100	ug/Kg	85				0	0		
	2-Chloronaphthalene	1300	1100	ug/Kg	85				0	0		
	2-Nitroaniline	1300	1300	ug/Kg	100				0	0		
	Dimethylphthalate	1300	1100	ug/Kg	85				0	0		
	2,6-Dinitrotoluene	1300	1300	ug/Kg	100				0	0		
	Acenaphthylene	1300	1100	ug/Kg	85				0	0		
	3-Nitroaniline	1300	1200	ug/Kg	92				0	0		
	Acenaphthene	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrophenol	1300	1100	ug/Kg	85				0	0		
	4-Nitrophenol	1300	1100	ug/Kg	85				0	0		
	Dibenzofuran	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrotoluene	1300	1300	ug/Kg	100				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	1300	ug/Kg	100				0	0		
	4,6-Dinitro-2-methylphenol	1300	1100	ug/Kg	85				0	0		
	N-Nitrosodiphenylamine	1300	1200	ug/Kg	92				0	0		



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154581BS	1,2,4,5-Tetrachlorobenzene	1300	1100	ug/Kg	85				0	0	
	4-Bromophenyl-phenylether	1300	1200	ug/Kg	92				0	0	
	Hexachlorobenzene	1300	1200	ug/Kg	92				0	0	
	Atrazine	1300	1100	ug/Kg	85				0	0	
	Pentachlorophenol	1300	1100	ug/Kg	85				0	0	
	Phenanthrene	1300	1100	ug/Kg	85				0	0	
	Pentachlorobenzene	1300	1200	ug/Kg	92				0	0	
	Anthracene	1300	1100	ug/Kg	85				0	0	
	1,2,3,4-Tetrachlorobenzene	1300	1100	ug/Kg	85				0	0	
	Carbazole	1300	1200	ug/Kg	92				0	0	
	Di-n-butylphthalate	1300	1200	ug/Kg	92				0	0	
	Fluoranthene	1300	1300	ug/Kg	100				0	0	
	Pyrene	1300	1300	ug/Kg	100				0	0	
	Butylbenzylphthalate	1300	1300	ug/Kg	100				0	0	
	3,3'-Dichlorobenzidine	1300	1200	ug/Kg	92				0	0	
	Benzo(a)anthracene	1300	1200	ug/Kg	92				0	0	
	Chrysene	1300	1200	ug/Kg	92				0	0	
	Bis(2-ethylhexyl)phthalate	1300	1300	ug/Kg	100				0	0	
	Di-n-octylphthalate	1300	1300	ug/Kg	100				0	0	
	Benzo(b)fluoranthene	1300	1200	ug/Kg	92				0	0	
	Benzo(k)fluoranthene	1300	1200	ug/Kg	92				0	0	
	Benzo(a)pyrene	1300	1100	ug/Kg	85				0	0	
	Indeno(1,2,3-cd)pyrene	1300	1200	ug/Kg	92				0	0	
	Dibenzo(a,h)anthracene	1300	1200	ug/Kg	92				0	0	
	Benzo(g,h,i)perylene	1300	1200	ug/Kg	92				0	0	
	2,3,4,6-Tetrachlorophenol	1300	1200	ug/Kg	92				0	0	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154583BS	1,4-Dioxane	16	14	ug/L	88				0	0		
	Benzaldehyde	40	39	ug/L	98				0	0		
	Pyridine	40	33	ug/L	83				0	0		
	Phenol	40	35	ug/L	88				0	0		
	Bis(2-chloroethyl)ether	40	35	ug/L	88				0	0		
	2-Chlorophenol	40	35	ug/L	88				0	0		
	2-Methylphenol	40	34	ug/L	85				0	0		
	2,2-oxybis(1-Chloropropane)	40	33	ug/L	83				0	0		
	Acetophenone	40	35	ug/L	88				0	0		
	4-Methylphenol	40	34	ug/L	85				0	0		
	N-Nitroso-di-n-propylamine	40	34	ug/L	85				0	0		
	Hexachloroethane	40	34	ug/L	85				0	0		
	Nitrobenzene	40	35	ug/L	88				0	0		
	Isophorone	40	35	ug/L	88				0	0		
	2-Nitrophenol	40	37	ug/L	93				0	0		
	2,4-Dimethylphenol	40	34	ug/L	85				0	0		
	Bis(2-chloroethoxy)methane	40	34	ug/L	85				0	0		
	2,4-Dichlorophenol	40	35	ug/L	88				0	0		
	Naphthalene	40	34	ug/L	85				0	0		
	4-Chloroaniline	40	32	ug/L	80				0	0		
	Hexachlorobutadiene	40	34	ug/L	85				0	0		
	Caprolactam	40	31	ug/L	78				0	0		
	4-Chloro-3-methylphenol	40	36	ug/L	90				0	0		
	1-Methylnaphthalene	40	34	ug/L	85				0	0		
	2-Methylnaphthalene	40	34	ug/L	85				0	0		
	Hexachlorocyclopentadiene	40	34	ug/L	85				0	0		
	2,4,6-Trichlorophenol	40	36	ug/L	90				0	0		
	2,4,5-Trichlorophenol	40	37	ug/L	93				0	0		
	1,1'-Biphenyl	40	35	ug/L	88				0	0		
	2-Chloronaphthalene	40	34	ug/L	85				0	0		
	2-Nitroaniline	40	37	ug/L	93				0	0		
	Dimethylphthalate	40	34	ug/L	85				0	0		
	2,6-Dinitrotoluene	40	38	ug/L	95				0	0		
	Acenaphthylene	40	33	ug/L	83				0	0		
	3-Nitroaniline	40	36	ug/L	90				0	0		
	Acenaphthene	40	34	ug/L	85				0	0		
	2,4-Dinitrophenol	40	30	ug/L	75				0	0		
	4-Nitrophenol	40	34	ug/L	85				0	0		
	Dibenzofuran	40	34	ug/L	85				0	0		
	2,4-Dinitrotoluene	40	37	ug/L	93				0	0		
	Diethylphthalate	40	34	ug/L	85				0	0		
	Fluorene	40	34	ug/L	85				0	0		
	4-Chlorophenyl-phenylether	40	34	ug/L	85				0	0		
	4-Nitroaniline	40	39	ug/L	98				0	0		
	4,6-Dinitro-2-methylphenol	40	33	ug/L	83				0	0		
	N-Nitrosodiphenylamine	40	35	ug/L	88				0	0		



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154583BS	1,2,4,5-Tetrachlorobenzene	40	34	ug/L	85				0	0	
	4-Bromophenyl-phenylether	40	35	ug/L	88				0	0	
	Hexachlorobenzene	40	35	ug/L	88				0	0	
	Atrazine	40	32	ug/L	80				0	0	
	Pentachlorophenol	40	32	ug/L	80				0	0	
	Phenanthrene	40	35	ug/L	88				0	0	
	Pentachlorobenzene	40	35	ug/L	88				0	0	
	Anthracene	40	35	ug/L	88				0	0	
	1,2,3,4-Tetrachlorobenzene	40	33	ug/L	83				0	0	
	Carbazole	40	36	ug/L	90				0	0	
	Di-n-butylphthalate	40	36	ug/L	90				0	0	
	Fluoranthene	40	35	ug/L	88				0	0	
	Pyrene	40	35	ug/L	88				0	0	
	Butylbenzylphthalate	40	36	ug/L	90				0	0	
	3,3'-Dichlorobenzidine	40	35	ug/L	88				0	0	
	Benzo(a)anthracene	40	35	ug/L	88				0	0	
	Chrysene	40	35	ug/L	88				0	0	
	Bis(2-ethylhexyl)phthalate	40	36	ug/L	90				0	0	
	Di-n-octylphthalate	40	36	ug/L	90				0	0	
	Benzo(b)fluoranthene	40	36	ug/L	90				0	0	
	Benzo(k)fluoranthene	40	36	ug/L	90				0	0	
	Benzo(a)pyrene	40	34	ug/L	85				0	0	
	Indeno(1,2,3-cd)pyrene	40	36	ug/L	90				0	0	
	Dibenzo(a,h)anthracene	40	36	ug/L	90				0	0	
	Benzo(g,h,i)perylene	40	37	ug/L	93				0	0	
	2,3,4,6-Tetrachlorophenol	40	36	ug/L	90				0	0	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154647BS	1,4-Dioxane	16	14	ug/L	88				0	0		
	Benzaldehyde	40	39	ug/L	98				0	0		
	Pyridine	40	33	ug/L	83				0	0		
	Phenol	40	35	ug/L	88				0	0		
	Bis(2-chloroethyl)ether	40	35	ug/L	88				0	0		
	2-Chlorophenol	40	35	ug/L	88				0	0		
	2-Methylphenol	40	34	ug/L	85				0	0		
	2,2-oxybis(1-Chloropropane)	40	33	ug/L	83				0	0		
	Acetophenone	40	35	ug/L	88				0	0		
	4-Methylphenol	40	34	ug/L	85				0	0		
	N-Nitroso-di-n-propylamine	40	35	ug/L	88				0	0		
	Hexachloroethane	40	35	ug/L	88				0	0		
	Nitrobenzene	40	35	ug/L	88				0	0		
	Isophorone	40	35	ug/L	88				0	0		
	2-Nitrophenol	40	38	ug/L	95				0	0		
	2,4-Dimethylphenol	40	34	ug/L	85				0	0		
	Bis(2-chloroethoxy)methane	40	35	ug/L	88				0	0		
	2,4-Dichlorophenol	40	36	ug/L	90				0	0		
	Naphthalene	40	34	ug/L	85				0	0		
	4-Chloroaniline	40	32	ug/L	80				0	0		
	Hexachlorobutadiene	40	34	ug/L	85				0	0		
	Caprolactam	40	32	ug/L	80				0	0		
	4-Chloro-3-methylphenol	40	37	ug/L	93				0	0		
	1-Methylnaphthalene	40	34	ug/L	85				0	0		
	2-Methylnaphthalene	40	34	ug/L	85				0	0		
	Hexachlorocyclopentadiene	40	33	ug/L	83				0	0		
	2,4,6-Trichlorophenol	40	37	ug/L	93				0	0		
	2,4,5-Trichlorophenol	40	37	ug/L	93				0	0		
	1,1'-Biphenyl	40	35	ug/L	88				0	0		
	2-Chloronaphthalene	40	34	ug/L	85				0	0		
	2-Nitroaniline	40	38	ug/L	95				0	0		
	Dimethylphthalate	40	35	ug/L	88				0	0		
	2,6-Dinitrotoluene	40	38	ug/L	95				0	0		
	Acenaphthylene	40	33	ug/L	83				0	0		
	3-Nitroaniline	40	36	ug/L	90				0	0		
	Acenaphthene	40	34	ug/L	85				0	0		
	2,4-Dinitrophenol	40	34	ug/L	85				0	0		
	4-Nitrophenol	40	35	ug/L	88				0	0		
	Dibenzofuran	40	34	ug/L	85				0	0		
	2,4-Dinitrotoluene	40	38	ug/L	95				0	0		
	Diethylphthalate	40	35	ug/L	88				0	0		
	Fluorene	40	35	ug/L	88				0	0		
	4-Chlorophenyl-phenylether	40	34	ug/L	85				0	0		
	4-Nitroaniline	40	40	ug/L	100				0	0		
	4,6-Dinitro-2-methylphenol	40	34	ug/L	85				0	0		
	N-Nitrosodiphenylamine	40	35	ug/L	88				0	0		



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154647BS	1,2,4,5-Tetrachlorobenzene	40	34	ug/L	85				0	0	
	4-Bromophenyl-phenylether	40	35	ug/L	88				0	0	
	Hexachlorobenzene	40	34	ug/L	85				0	0	
	Atrazine	40	33	ug/L	83				0	0	
	Pentachlorophenol	40	33	ug/L	83				0	0	
	Phenanthrene	40	35	ug/L	88				0	0	
	Pentachlorobenzene	40	35	ug/L	88				0	0	
	Anthracene	40	34	ug/L	85				0	0	
	1,2,3,4-Tetrachlorobenzene	40	33	ug/L	83				0	0	
	Carbazole	40	36	ug/L	90				0	0	
	Di-n-butylphthalate	40	36	ug/L	90				0	0	
	Fluoranthene	40	35	ug/L	88				0	0	
	Pyrene	40	35	ug/L	88				0	0	
	Butylbenzylphthalate	40	37	ug/L	93				0	0	
	3,3'-Dichlorobenzidine	40	36	ug/L	90				0	0	
	Benzo(a)anthracene	40	34	ug/L	85				0	0	
	Chrysene	40	35	ug/L	88				0	0	
	Bis(2-ethylhexyl)phthalate	40	37	ug/L	93				0	0	
	Di-n-octylphthalate	40	37	ug/L	93				0	0	
	Benzo(b)fluoranthene	40	36	ug/L	90				0	0	
	Benzo(k)fluoranthene	40	35	ug/L	88				0	0	
	Benzo(a)pyrene	40	34	ug/L	85				0	0	
	Indeno(1,2,3-cd)pyrene	40	36	ug/L	90				0	0	
	Dibenzo(a,h)anthracene	40	36	ug/L	90				0	0	
	Benzo(g,h,i)perylene	40	37	ug/L	93				0	0	
	2,3,4,6-Tetrachlorophenol	40	37	ug/L	93				0	0	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154677BS	1,4-Dioxane	16	15	ug/L	94				0	0		
	Benzaldehyde	40	42	ug/L	105				0	0		
	Pyridine	40	35	ug/L	88				0	0		
	Phenol	40	38	ug/L	95				0	0		
	Bis(2-chloroethyl)ether	40	38	ug/L	95				0	0		
	2-Chlorophenol	40	38	ug/L	95				0	0		
	2-Methylphenol	40	38	ug/L	95				0	0		
	2,2-oxybis(1-Chloropropane)	40	36	ug/L	90				0	0		
	Acetophenone	40	38	ug/L	95				0	0		
	4-Methylphenol	40	38	ug/L	95				0	0		
	N-Nitroso-di-n-propylamine	40	38	ug/L	95				0	0		
	Hexachloroethane	40	37	ug/L	93				0	0		
	Nitrobenzene	40	38	ug/L	95				0	0		
	Isophorone	40	39	ug/L	98				0	0		
	2-Nitrophenol	40	41	ug/L	103				0	0		
	2,4-Dimethylphenol	40	38	ug/L	95				0	0		
	Bis(2-chloroethoxy)methane	40	38	ug/L	95				0	0		
	2,4-Dichlorophenol	40	39	ug/L	98				0	0		
	Naphthalene	40	37	ug/L	93				0	0		
	4-Chloroaniline	40	34	ug/L	85				0	0		
	Hexachlorobutadiene	40	37	ug/L	93				0	0		
	Caprolactam	40	35	ug/L	88				0	0		
	4-Chloro-3-methylphenol	40	39	ug/L	98				0	0		
	1-Methylnaphthalene	40	37	ug/L	93				0	0		
	2-Methylnaphthalene	40	37	ug/L	93				0	0		
	Hexachlorocyclopentadiene	40	37	ug/L	93				0	0		
	2,4,6-Trichlorophenol	40	40	ug/L	100				0	0		
	2,4,5-Trichlorophenol	40	40	ug/L	100				0	0		
	1,1'-Biphenyl	40	37	ug/L	93				0	0		
	2-Chloronaphthalene	40	37	ug/L	93				0	0		
	2-Nitroaniline	40	41	ug/L	103				0	0		
	Dimethylphthalate	40	37	ug/L	93				0	0		
	2,6-Dinitrotoluene	40	42	ug/L	105				0	0		
	Acenaphthylene	40	35	ug/L	88				0	0		
	3-Nitroaniline	40	39	ug/L	98				0	0		
	Acenaphthene	40	37	ug/L	93				0	0		
	2,4-Dinitrophenol	40	36	ug/L	90				0	0		
	4-Nitrophenol	40	38	ug/L	95				0	0		
	Dibenzofuran	40	37	ug/L	93				0	0		
	2,4-Dinitrotoluene	40	41	ug/L	103				0	0		
	Diethylphthalate	40	38	ug/L	95				0	0		
	Fluorene	40	37	ug/L	93				0	0		
	4-Chlorophenyl-phenylether	40	36	ug/L	90				0	0		
	4-Nitroaniline	40	43	ug/L	108				0	0		
	4,6-Dinitro-2-methylphenol	40	38	ug/L	95				0	0		
	N-Nitrosodiphenylamine	40	39	ug/L	98				0	0		



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154677BS	1,2,4,5-Tetrachlorobenzene	40	37	ug/L	93				0	0	
	4-Bromophenyl-phenylether	40	39	ug/L	98				0	0	
	Hexachlorobenzene	40	39	ug/L	98				0	0	
	Atrazine	40	36	ug/L	90				0	0	
	Pentachlorophenol	40	38	ug/L	95				0	0	
	Phenanthrene	40	38	ug/L	95				0	0	
	Pentachlorobenzene	40	39	ug/L	98				0	0	
	Anthracene	40	38	ug/L	95				0	0	
	1,2,3,4-Tetrachlorobenzene	40	37	ug/L	93				0	0	
	Carbazole	40	40	ug/L	100				0	0	
	Di-n-butylphthalate	40	40	ug/L	100				0	0	
	Fluoranthene	40	42	ug/L	105				0	0	
	Pyrene	40	41	ug/L	103				0	0	
	Butylbenzylphthalate	40	43	ug/L	108				0	0	
	3,3'-Dichlorobenzidine	40	40	ug/L	100				0	0	
	Benzo(a)anthracene	40	39	ug/L	98				0	0	
	Chrysene	40	40	ug/L	100				0	0	
	Bis(2-ethylhexyl)phthalate	40	43	ug/L	108				0	0	
	Di-n-octylphthalate	40	43	ug/L	108				0	0	
	Benzo(b)fluoranthene	40	40	ug/L	100				0	0	
	Benzo(k)fluoranthene	40	40	ug/L	100				0	0	
	Benzo(a)pyrene	40	38	ug/L	95				0	0	
	Indeno(1,2,3-cd)pyrene	40	41	ug/L	103				0	0	
	Dibenzo(a,h)anthracene	40	41	ug/L	103				0	0	
	Benzo(g,h,i)perylene	40	42	ug/L	105				0	0	
	2,3,4,6-Tetrachlorophenol	40	40	ug/L	100				0	0	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK581

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP080723SAS No.: BP080723 SDG NO.: BP080723Lab File ID: BP016514.DLab Sample ID: PB154581BLInstrument ID: BNA_PDate Extracted: 08/02/2023Matrix: (soil/water) SolidDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 12:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
X3H66	O3805-07	BP016515.D	08/07/2023
PB154581BS	PB154581BS	BP016517.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK583

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP080723SAS No.: BP080723 SDG NO.: BP080723Lab File ID: BP016510.DLab Sample ID: PB154583BLInstrument ID: BNA_PDate Extracted: 08/02/2023Matrix: (soil/water) WaterDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 10:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
X3H47	O3805-03	BP016511.D	08/07/2023
PB154583BS	PB154583BS	BP016513.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK647

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP080723SAS No.: BP080723 SDG NO.: BP080723Lab File ID: BP016519.DLab Sample ID: PB154647BLInstrument ID: BNA_PDate Extracted: 08/03/2023Matrix: (soil/water) WaterDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 15:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154647BS	PB154647BS	BP016520.D	08/07/2023
BH315	O3901-01	BP016521.D	08/07/2023
BH316	O3901-02	BP016522.D	08/07/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK677

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP080723SAS No.: BP080723 SDG NO.: BP080723Lab File ID: BP016523.DLab Sample ID: PB154677BLInstrument ID: BNA_PDate Extracted: 08/07/2023Matrix: (soil/water) WaterDate Analyzed: 08/07/2023Level: (low/med) LOWTime Analyzed: 17:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AF1	O3889-01	BP016524.D	08/07/2023
PB154677BS	PB154677BS	BP016526.D	08/07/2023

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3805-07	X3H66	BP016515.D	1,4-Dioxane-d8	8	4.70	59		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	30.94	77		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.74	74		10	150
			2-Chlorophenol-d4	40	29.06	73		15	120
			4-Methylphenol-d8	40	29.88	75		10	140
			Nitrobenzene-d5	40	29.70	74		10	135
			2-Nitrophenol-d4	40	31.62	79		10	120
			2,4-Dichlorophenol-d3	40	33.36	83		10	140
			4-Chloroaniline-d4	40	25.00	63		1	145
			Dimethylphthalate-d6	40	33.76	84		10	145
			Acenaphthylene-d8	40	32.45	81		15	120
			4-Nitrophenol-d4	40	29.56	74		10	150
			Fluorene-d10	40	33.85	85		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.75	67		10	130
			Anthracene-d10	40	32.63	82		10	150
			Pyrene-d10	40	36.22	91		10	130
			Benzo(a)pyrene-d12	40	34.51	86		10	140
O3805-07DL	X3H66DL	BP016516.D	1,4-Dioxane-d8	8	4.15	52		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	28.59	71		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.22	71		10	150
			2-Chlorophenol-d4	40	27.51	69		15	120
			4-Methylphenol-d8	40	26.82	67		10	140
			Nitrobenzene-d5	40	27.14	68		10	135
			2-Nitrophenol-d4	40	25.71	64		10	120
			2,4-Dichlorophenol-d3	40	31.10	78		10	140
			4-Chloroaniline-d4	40	23.62	59		1	145
			Dimethylphthalate-d6	40	32.48	81		10	145
			Acenaphthylene-d8	40	31.66	79		15	120
			4-Nitrophenol-d4	40	22.58	56		10	150
			Fluorene-d10	40	33.51	84		20	140
			4,6-Dinitro-2-methylphenol-d2	40	16.37	41		10	130
			Anthracene-d10	40	32.29	81		10	150
			Pyrene-d10	40	35.36	88		10	130
			Benzo(a)pyrene-d12	40	32.69	82		10	140
PB154581BL	PB154581BL	BP016514.D	Pyridine-d5	40	29.32	73		20	120
			1,4-Dioxane-d8	8	5.73	72		15	120
			Phenol-d5	40	31.56	79		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.37	76		10	150
			2-Chlorophenol-d4	40	30.23	76		15	120
			4-Methylphenol-d8	40	29.24	73		10	140
			Nitrobenzene-d5	40	30.89	77		10	135
			2-Nitrophenol-d4	40	31.90	80		10	120
			2,4-Dichlorophenol-d3	40	29.65	74		10	140
			4-Chloroaniline-d4	40	29.46	74		1	145
			Dimethylphthalate-d6	40	29.35	73		10	145
			Acenaphthylene-d8	40	29.85	75		15	120
			4-Nitrophenol-d4	40	23.19	58		10	150
			Fluorene-d10	40	30.45	76		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.66	49		10	130



Surrogate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154581BL	PB154581BL	BP016514.D	Anthracene-d10	40	30.98	77		10	150
			Pyrene-d10	40	31.41	79		10	130
			Benzo(a)pyrene-d12	40	31.16	78		10	140
PB154581BS	PB154581BS	BP016517.D	1,4-Dioxane-d8	8	6.36	79		15	120
			Pyridine-d5	40	33.94	85		20	120
			Phenol-d5	40	37.65	94		10	130
			Bis(2-Chloroethyl)ether-d8	40	35.96	90		10	150
			2-Chlorophenol-d4	40	36.26	91		15	120
			4-Methylphenol-d8	40	36.28	91		10	140
			Nitrobenzene-d5	40	36.91	92		10	135
			2-Nitrophenol-d4	40	40.17	100		10	120
			2,4-Dichlorophenol-d3	40	37.70	94		10	140
			4-Chloroaniline-d4	40	33.02	83		1	145
			Dimethylphthalate-d6	40	34.35	86		10	145
			Acenaphthylene-d8	40	35.14	88		15	120
			4-Nitrophenol-d4	40	33.61	84		10	150
			Fluorene-d10	40	34.72	87		20	140
			4,6-Dinitro-2-methylphenol-d2	40	36.11	90		10	130
			Anthracene-d10	40	35.09	88		10	150
			Pyrene-d10	40	38.70	97		10	130
			Benzo(a)pyrene-d12	40	36.84	92		10	140

Surrogate Summary

SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3805-03	X3H47	BP016511.D	1,4-Dioxane-d8	8	6.91	86		15	120
			Pyridine-d5	40	33.45	84		20	120
			Phenol-d5	40	38.51	96		10	130
			Bis(2-Chloroethyl)ether-d8	40	37.19	93		25	120
			2-Chlorophenol-d4	40	36.57	91		20	130
			4-Methylphenol-d8	40	35.41	89		25	125
			Nitrobenzene-d5	40	39.16	98		20	125
			2-Nitrophenol-d4	40	41.40	103		20	130
			2,4-Dichlorophenol-d3	40	37.45	94		20	120
			4-Chloroaniline-d4	40	34.86	87		1	146
			Dimethylphthalate-d6	40	38.48	96		25	130
			Acenaphthylene-d8	40	38.39	96		10	130
			4-Nitrophenol-d4	40	32.34	81		10	150
			Fluorene-d10	40	39.60	99		25	125
			4,6-Dinitro-2-methylphenol-d2	40	28.77	72		10	130
			Anthracene-d10	40	39.12	98		25	130
			Pyrene-d10	40	41.53	104		15	130
			Benzo(a)pyrene-d12	40	42.07	105		20	130
O3805-03DL	X3H47DL	BP016512.D	1,4-Dioxane-d8	8	6.96	87		15	120
			Pyridine-d5	40	32.99	82		20	120
			Phenol-d5	40	37.82	95		10	130
			Bis(2-Chloroethyl)ether-d8	40	38.10	95		25	120
			2-Chlorophenol-d4	40	35.15	88		20	130
			4-Methylphenol-d8	40	33.95	85		25	125
			Nitrobenzene-d5	40	35.55	89		20	125
			2-Nitrophenol-d4	40	33.25	83		20	130
			2,4-Dichlorophenol-d3	40	34.45	86		20	120
			4-Chloroaniline-d4	40	34.23	86		1	146
			Dimethylphthalate-d6	40	38.54	96		25	130
			Acenaphthylene-d8	40	36.99	92		10	130
			4-Nitrophenol-d4	40	23.26	58		10	150
			Fluorene-d10	40	40.50	101		25	125
			4,6-Dinitro-2-methylphenol-d2	40	18.07	45		10	130
			Anthracene-d10	40	39.24	98		25	130
			Pyrene-d10	40	41.06	103		15	130
			Benzo(a)pyrene-d12	40	39.46	99		20	130
PB154583BL	PB154583BL	BP016510.D	Pyridine-d5	40	29.28	73		20	120
			1,4-Dioxane-d8	8	5.89	74		15	120
			Phenol-d5	40	31.26	78		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.26	76		25	120
			2-Chlorophenol-d4	40	30.39	76		20	130
			4-Methylphenol-d8	40	29.44	74		25	125
			Nitrobenzene-d5	40	30.47	76		20	125
			2-Nitrophenol-d4	40	31.86	80		20	130
			2,4-Dichlorophenol-d3	40	29.69	74		20	120
			4-Chloroaniline-d4	40	29.65	74		1	146
			Dimethylphthalate-d6	40	29.45	74		25	130
			Acenaphthylene-d8	40	29.89	75		10	130
			4-Nitrophenol-d4	40	23.34	58		10	150
			Fluorene-d10	40	30.61	77		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.53	49		10	130



Surrogate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154583BL	PB154583BL	BP016510.D	Anthracene-d10	40	31.14	78		25	130
			Pyrene-d10	40	31.21	78		15	130
			Benzo(a)pyrene-d12	40	30.88	77		20	130
PB154583BS	PB154583BS	BP016513.D	1,4-Dioxane-d8	8	6.89	86		15	120
			Pyridine-d5	40	34.69	87		20	120
			Phenol-d5	40	36.42	91		10	130
			Bis(2-Chloroethyl)ether-d8	40	35.31	88		25	120
			2-Chlorophenol-d4	40	35.19	88		20	130
			4-Methylphenol-d8	40	34.10	85		25	125
			Nitrobenzene-d5	40	36.59	91		20	125
			2-Nitrophenol-d4	40	37.87	95		20	130
			2,4-Dichlorophenol-d3	40	36.76	92		20	120
			4-Chloroaniline-d4	40	32.28	81		1	146
			Dimethylphthalate-d6	40	34.30	86		25	130
			Acenaphthylene-d8	40	35.52	89		10	130
			4-Nitrophenol-d4	40	33.53	84		10	150
			Fluorene-d10	40	35.09	88		25	125
			4,6-Dinitro-2-methylphenol-d2	40	34.59	86		10	130
			Anthracene-d10	40	35.80	90		25	130
			Pyrene-d10	40	35.37	88		15	130
			Benzo(a)pyrene-d12	40	36.63	92		20	130

Surrogate Summary

SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3901-01	BH315	BP016521.D	1,4-Dioxane-d8	8	3.72	46		15	120
			Pyridine-d5	40	6.91	17	*	20	120
			Phenol-d5	40	7.28	18		10	130
			Bis(2-Chloroethyl)ether-d8	40	36.56	91		25	120
			2-Chlorophenol-d4	40	27.39	68		20	130
			4-Methylphenol-d8	40	16.55	41		25	125
			Nitrobenzene-d5	40	37.37	93		20	125
			2-Nitrophenol-d4	40	36.99	92		20	130
			2,4-Dichlorophenol-d3	40	32.21	81		20	120
			4-Chloroaniline-d4	40	29.67	74		1	146
			Dimethylphthalate-d6	40	36.34	91		25	130
			Acenaphthylene-d8	40	36.43	91		10	130
			4-Nitrophenol-d4	40	4.08	10		10	150
			Fluorene-d10	40	37.82	95		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.33	63		10	130
			Anthracene-d10	40	40.37	101		25	130
			Pyrene-d10	40	41.59	104		15	130
			Benzo(a)pyrene-d12	40	41.37	103		20	130
O3901-02	BH316	BP016522.D	1,4-Dioxane-d8	8	2.47	31		15	120
			Pyridine-d5	40	5.56	14	*	20	120
			Phenol-d5	40	5.12	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.21	63		25	120
			2-Chlorophenol-d4	40	18.91	47		20	130
			4-Methylphenol-d8	40	11.71	29		25	125
			Nitrobenzene-d5	40	26.09	65		20	125
			2-Nitrophenol-d4	40	25.39	63		20	130
			2,4-Dichlorophenol-d3	40	22.22	56		20	120
			4-Chloroaniline-d4	40	20.31	51		1	146
			Dimethylphthalate-d6	40	25.02	63		25	130
			Acenaphthylene-d8	40	25.53	64		10	130
			4-Nitrophenol-d4	40	2.88	7	*	10	150
			Fluorene-d10	40	26.22	66		25	125
			4,6-Dinitro-2-methylphenol-d2	40	17.22	43		10	130
			Anthracene-d10	40	27.02	68		25	130
			Pyrene-d10	40	27.47	69		15	130
			Benzo(a)pyrene-d12	40	26.93	67		20	130
PB154647BL	PB154647BL	BP016519.D	Pyridine-d5	40	20.47	51		20	120
			1,4-Dioxane-d8	8	3.94	49		15	120
			Phenol-d5	40	22.08	55		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.30	53		25	120
			2-Chlorophenol-d4	40	21.35	53		20	130
			4-Methylphenol-d8	40	20.74	52		25	125
			Nitrobenzene-d5	40	21.66	54		20	125
			2-Nitrophenol-d4	40	22.40	56		20	130
			2,4-Dichlorophenol-d3	40	20.96	52		20	120
			4-Chloroaniline-d4	40	21.10	53		1	146
			Dimethylphthalate-d6	40	21.52	54		25	130
			Acenaphthylene-d8	40	21.40	53		10	130
			4-Nitrophenol-d4	40	17.14	43		10	150
			Fluorene-d10	40	21.90	55		25	125
			4,6-Dinitro-2-methylphenol-d2	40	15.00	38		10	130



Surrogate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154647BL	PB154647BL	BP016519.D	Anthracene-d10	40	23.16	58		25	130
			Pyrene-d10	40	23.74	59		15	130
			Benzo(a)pyrene-d12	40	23.47	59		20	130
PB154647BS	PB154647BS	BP016520.D	1,4-Dioxane-d8	8	6.78	85		15	120
			Pyridine-d5	40	34.64	87		20	120
			Phenol-d5	40	36.60	91		10	130
			Bis(2-Chloroethyl)ether-d8	40	35.53	89		25	120
			2-Chlorophenol-d4	40	35.45	89		20	130
			4-Methylphenol-d8	40	34.10	85		25	125
			Nitrobenzene-d5	40	37.01	93		20	125
			2-Nitrophenol-d4	40	38.60	97		20	130
			2,4-Dichlorophenol-d3	40	37.01	93		20	120
			4-Chloroaniline-d4	40	32.68	82		1	146
			Dimethylphthalate-d6	40	34.76	87		25	130
			Acenaphthylene-d8	40	35.26	88		10	130
			4-Nitrophenol-d4	40	34.81	87		10	150
			Fluorene-d10	40	35.18	88		25	125
			4,6-Dinitro-2-methylphenol-d2	40	35.33	88		10	130
			Anthracene-d10	40	35.39	88		25	130
			Pyrene-d10	40	35.59	89		15	130
			Benzo(a)pyrene-d12	40	36.56	91		20	130

Surrogate Summary

SW-846

SDG No.: BP080723

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3889-01	C0AF1	BP016524.D	1,4-Dioxane-d8	8	2.86	36		15	120
			Pyridine-d5	40	8.65	22		20	120
			Phenol-d5	40	5.57	14		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.44	66		25	120
			2-Chlorophenol-d4	40	19.54	49		20	130
			4-Methylphenol-d8	40	12.77	32		25	125
			Nitrobenzene-d5	40	26.35	66		20	125
			2-Nitrophenol-d4	40	25.42	64		20	130
			2,4-Dichlorophenol-d3	40	23.41	59		20	120
			4-Chloroaniline-d4	40	20.21	51		1	146
			Dimethylphthalate-d6	40	27.97	70		25	130
			Acenaphthylene-d8	40	27.77	69		10	130
			4-Nitrophenol-d4	40	4.21	11		10	150
			Fluorene-d10	40	28.19	70		25	125
			4,6-Dinitro-2-methylphenol-d2	40	22.71	57		10	130
			Anthracene-d10	40	29.78	74		25	130
			Pyrene-d10	40	30.85	77		15	130
			Benzo(a)pyrene-d12	40	30.46	76		20	130
O3889-01DL	C0AF1DL	BP016525.D	1,4-Dioxane-d8	8	3.32	41		15	120
			Pyridine-d5	40	10.00	25		20	120
			Phenol-d5	40	5.81	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.80	72		25	120
			2-Chlorophenol-d4	40	19.61	49		20	130
			4-Methylphenol-d8	40	11.95	30		25	125
			Nitrobenzene-d5	40	26.17	65		20	125
			2-Nitrophenol-d4	40	22.34	56		20	130
			2,4-Dichlorophenol-d3	40	21.00	52		20	120
			4-Chloroaniline-d4	40	20.89	52		1	146
			Dimethylphthalate-d6	40	30.17	75		25	130
			Acenaphthylene-d8	40	27.63	69		10	130
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	32.30	81		25	125
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	32.81	82		25	130
			Pyrene-d10	40	33.92	85		15	130
			Benzo(a)pyrene-d12	40	31.28	78		20	130
PB154677BL	PB154677BL	BP016523.D	1,4-Dioxane-d8	8	5.43	68		15	120
			Pyridine-d5	40	27.15	68		20	120
			Phenol-d5	40	28.99	72		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.59	71		25	120
			2-Chlorophenol-d4	40	27.94	70		20	130
			4-Methylphenol-d8	40	27.40	69		25	125
			Nitrobenzene-d5	40	28.56	71		20	125
			2-Nitrophenol-d4	40	29.33	73		20	130
			2,4-Dichlorophenol-d3	40	27.46	69		20	120
			4-Chloroaniline-d4	40	27.76	69		1	146
			Dimethylphthalate-d6	40	28.34	71		25	130
			Acenaphthylene-d8	40	28.25	71		10	130
			4-Nitrophenol-d4	40	22.36	56		10	150
			Fluorene-d10	40	28.93	72		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.68	52		10	130



Surrogate Summary
SW-846

SDG No.: BP080723

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154677BL	PB154677BL	BP016523.D	Anthracene-d10	40	30.76	77		25	130
			Pyrene-d10	40	32.03	80		15	130
			Benzo(a)pyrene-d12	40	31.60	79		20	130
PB154677BS	PB154677BS	BP016526.D	1,4-Dioxane-d8	8	6.96	87		15	120
			Pyridine-d5	40	36.24	91		20	120
			Phenol-d5	40	39.60	99		10	130
			Bis(2-Chloroethyl)ether-d8	40	38.08	95		25	120
			2-Chlorophenol-d4	40	38.33	96		20	130
			4-Methylphenol-d8	40	37.79	94		25	125
			Nitrobenzene-d5	40	39.81	100		20	125
			2-Nitrophenol-d4	40	42.90	107		20	130
			2,4-Dichlorophenol-d3	40	40.06	100		20	120
			4-Chloroaniline-d4	40	34.65	87		1	146
			Dimethylphthalate-d6	40	36.91	92		25	130
			Acenaphthylene-d8	40	38.06	95		10	130
			4-Nitrophenol-d4	40	37.21	93		10	150
			Fluorene-d10	40	37.26	93		25	125
			4,6-Dinitro-2-methylphenol-d2	40	38.67	97		10	130
			Anthracene-d10	40	39.09	98		25	130
			Pyrene-d10	40	41.17	103		15	130
			Benzo(a)pyrene-d12	40	41.10	103		20	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP080723

Lab Code: CHEM

SAS No.: BP080723 SDG NO.: BP080723

Lab File ID: BP016508.D

DFTPP Injection Date: 08/07/2023

Instrument ID: BNA_P

DFTPP Injection Time: 09:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.8
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.7
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15.3
442	Greater than 50% of mass 198	98.1
443	15.0 - 24.0% of mass 442	19.2 (19.5) 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
SSTD020676	SSTDCCC020	BP016509.D	08/07/2023	09:53
SBLK583	PB154583BL	BP016510.D	08/07/2023	10:27
X3H47	O3805-03	BP016511.D	08/07/2023	11:01
X3H47DL	O3805-03DL	BP016512.D	08/07/2023	11:35
SLCS583	PB154583BS	BP016513.D	08/07/2023	12:10
SBLK581	PB154581BL	BP016514.D	08/07/2023	12:44
X3H66	O3805-07	BP016515.D	08/07/2023	13:18
X3H66DL	O3805-07DL	BP016516.D	08/07/2023	13:52
SLCS581	PB154581BS	BP016517.D	08/07/2023	14:26
SSTD020677	SSTDCCC020	BP016518.D	08/07/2023	15:00
SBLK647	PB154647BL	BP016519.D	08/07/2023	15:42
SLCS647	PB154647BS	BP016520.D	08/07/2023	16:17
BH315	O3901-01	BP016521.D	08/07/2023	16:51
BH316	O3901-02	BP016522.D	08/07/2023	17:25
SBLK677	PB154677BL	BP016523.D	08/07/2023	17:59
C0AF1	O3889-01	BP016524.D	08/07/2023	18:33
C0AF1DL	O3889-01DL	BP016525.D	08/07/2023	19:08
SLCS677	PB154677BS	BP016526.D	08/07/2023	19:42
SSTD020678	SSTDCCC020EC	BP016527.D	08/07/2023	20:16