

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:08:55

Lab File ID: BM044557.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020068 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.610	0.537	0.010	-12.1171	40.0
Benzaldehyde	0.896	1.040	0.010	16.1094	40.0
Pyridine	1.800	1.576	0.010	-12.4749	40.0
Phenol	2.099	1.898	0.080	-9.5343	20.0
Bis(2-Chloroethyl) ether	1.723	1.580	0.100	-8.3351	20.0
2-Chlorophenol	1.559	1.462	0.200	-6.1971	20.0
2-Methylphenol	1.593	1.441	0.010	-9.5219	20.0
2,2-oxybis(1-Chloropropane)	2.276	2.255	0.010	-0.9294	40.0
Acetophenone	2.505	2.391	0.060	-4.5203	20.0
4-Methylphenol	1.734	1.585	0.010	-8.5511	20.0
N-Nitroso-di-n-propylamine	1.294	1.266	0.050	-2.1307	30.0
Hexachloroethane	0.638	0.597	0.100	-6.5323	20.0
Nitrobenzene	0.399	0.395	0.050	-1.2145	25.0
Isophorone	0.815	0.786	0.050	-3.5115	25.0
2-Nitrophenol	0.198	0.191	0.050	-3.7053	25.0
2,4-Dimethylphenol	0.360	0.346	0.050	-3.806	25.0
Bis(2-Chloroethoxy) methane	0.512	0.492	0.050	-3.9028	20.0
2,4-Dichlorophenol	0.308	0.310	0.060	0.5389	20.0
Naphthalene	1.133	1.105	0.200	-2.4146	20.0
4-Chloroaniline	0.495	0.472	0.010	-4.6269	40.0
Hexachlorobutadiene	0.173	0.177	0.040	2.5526	30.0
Caprolactam	0.120	0.103	0.010	-14.1486	40.0
4-Chloro-3-methylphenol	0.358	0.350	0.040	-2.2569	25.0
1-Methylnaphthalene	0.743	0.739	0.100	-0.5909	20.0
2-Methylnaphthalene	0.753	0.747	0.100	-0.794	20.0
Hexachlorocyclopentadiene	0.378	0.402	0.010	6.4056	40.0
2,4,6-Trichlorophenol	0.399	0.380	0.090	-4.8137	25.0
2,4,5-Trichlorophenol	0.427	0.414	0.100	-3.1687	25.0
1,1-Biphenyl	1.588	1.541	0.200	-2.9821	20.0
2-Chloronaphthalene	1.246	1.193	0.300	-4.2388	20.0
2-Nitroaniline	0.391	0.377	0.050	-3.7685	40.0
Dimethylphthalate	1.596	1.491	0.300	-6.594	20.0
2,6-Dinitrotoluene	0.319	0.297	0.080	-6.8162	30.0
Acenaphthylene	2.091	2.012	0.400	-3.7703	20.0
3-Nitroaniline	0.344	0.327	0.010	-5.1301	40.0
Acenaphthene	1.375	1.326	0.200	-3.5752	20.0
2,4-Dinitrophenol	0.204	0.184	0.010	-9.9031	40.0
4-Nitrophenol	0.228	0.209	0.010	-8.3768	40.0
Dibenzofuran	1.829	1.763	0.300	-3.5978	20.0
2,4-Dinitrotoluene	0.460	0.430	0.070	-6.5799	30.0
Diethylphthalate	1.657	1.530	0.300	-7.6835	20.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:08:55

Lab File ID: BM044557.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020068 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.461	0.200	-2.3002	20.0
4-Chlorophenyl-phenylether	0.694	0.689	0.100	-0.7574	20.0
4-Nitroaniline	0.329	0.321	0.010	-2.4274	40.0
4,6-Dinitro-2-methylphenol	0.139	0.129	0.010	-7.2944	40.0
N-Nitrosodiphenylamine	0.602	0.596	0.050	-1.0898	20.0
1,2,4,5-Tetrachlorobenzene	0.569	0.564	0.100	-0.9507	20.0
4-Bromophenyl-phenylether	0.200	0.202	0.070	0.7788	20.0
Hexachlorobenzene	0.228	0.236	0.050	3.4935	25.0
Atrazine	0.197	0.195	0.010	-1.0722	25.0
Pentachlorophenol	0.150	0.146	0.010	-2.9811	40.0
Phenanthrene	1.135	1.107	0.200	-2.3912	20.0
Pentachlorobenzene	0.258	0.270	0.050	4.521	20.0
Anthracene	1.147	1.134	0.200	-1.1809	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.270	0.050	1.1557	20.0
Carbazole	1.078	1.048	0.050	-2.7635	40.0
Di-n-butylphthalate	1.450	1.312	0.500	-9.5372	25.0
Fluoranthene	1.461	1.438	0.400	-1.5483	25.0
Pyrene	1.521	1.501	0.400	-1.3251	25.0
Butylbenzylphthalate	0.748	0.647	0.100	-13.4213	40.0
3,3-Dichlorobenzidine	0.433	0.430	0.010	-0.599	40.0
Benzo(a)anthracene	1.502	1.397	0.300	-7.0074	30.0
Chrysene	1.391	1.304	0.200	-6.236	30.0
Bis(2-ethylhexyl)phthalate	1.090	1.009	0.200	-7.4479	40.0
Di-n-octyl phthalate	1.790	1.679	0.010	-6.1763	40.0
Benzo(b)fluoranthene	1.338	1.261	0.200	-5.7763	25.0
Benzo(k)fluoranthene	1.311	1.321	0.200	0.7981	25.0
Benzo(a)pyrene	1.252	1.185	0.200	-5.3425	20.0
Indeno(1,2,3-cd)pyrene	1.404	1.259	0.200	-10.3097	25.0
Dibenzo(a,h)anthracene	1.171	1.072	0.200	-8.4267	30.0
Benzo(g,h,i)perylene	1.121	0.984	0.200	-12.1804	30.0
2,3,4,6-Tetrachlorophenol	0.354	0.343	0.040	-2.9606	20.0
1,4-Dioxane-d8	0.590	0.508	0.010	-13.8249	25.0
Pyridine-d5	1.736	1.484	0.010	-14.4764	40.0
Phenol-d5	2.056	1.846	0.010	-10.2061	25.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.206	0.050	-5.0802	25.0
2-Chlorophenol-d4	1.511	1.399	0.200	-7.3979	20.0
4-Methylphenol-d8	1.615	1.456	0.010	-9.8072	20.0
Nitrobenzene-d5	0.168	0.162	0.050	-3.5514	20.0
2-Nitrophenol-d4	0.182	0.176	0.050	-2.9773	30.0
2,4-Dichlorophenol-d3	0.309	0.312	0.060	1.0777	20.0
4-Chloroaniline-d4	0.513	0.484	0.010	-5.699	40.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:08:55

Lab File ID: BM044557.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020068 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.482	0.300	-5.542	20.0
Acenaphthylene-d8	1.794	1.706	0.400	-4.908	20.0
4-Nitrophenol-d4	0.325	0.298	0.010	-8.535	40.0
Fluorene-d10	1.318	1.253	0.100	-4.9501	20.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.119	0.010	-8.0461	40.0
Anthracene-d10	0.956	0.934	0.300	-2.2553	20.0
Pyrene-d10	1.227	1.204	0.300	-1.8856	25.0
Benzo(a)pyrene-d12	1.051	1.011	0.010	-3.8154	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.: BM030824 SAS No.: BM030824 SDG No.: BM030824
 Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:14:37
 Lab File ID: BM044564.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD020069 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.610	0.499	0.010	-18.2751	40.0
Benzaldehyde	0.896	1.048	0.010	17.031	40.0
Pyridine	1.800	1.574	0.010	-12.5516	40.0
Phenol	2.099	1.924	0.080	-8.2978	20.0
Bis(2-Chloroethyl) ether	1.723	1.602	0.100	-7.0496	20.0
2-Chlorophenol	1.559	1.454	0.200	-6.6982	20.0
2-Methylphenol	1.593	1.453	0.010	-8.7637	20.0
2,2-oxybis(1-Chloropropane)	2.276	2.289	0.010	0.5868	40.0
Acetophenone	2.505	2.419	0.060	-3.3996	20.0
4-Methylphenol	1.734	1.600	0.010	-7.7089	20.0
N-Nitroso-di-n-propylamine	1.294	1.272	0.050	-1.7163	30.0
Hexachloroethane	0.638	0.589	0.100	-7.6672	20.0
Nitrobenzene	0.399	0.392	0.050	-1.7307	25.0
Isophorone	0.815	0.792	0.050	-2.8254	25.0
2-Nitrophenol	0.198	0.192	0.050	-2.7689	25.0
2,4-Dimethylphenol	0.360	0.342	0.050	-4.9074	25.0
Bis(2-Chloroethoxy) methane	0.512	0.494	0.050	-3.5987	20.0
2,4-Dichlorophenol	0.308	0.309	0.060	0.2082	20.0
Naphthalene	1.133	1.104	0.200	-2.5454	20.0
4-Chloroaniline	0.495	0.473	0.010	-4.4414	40.0
Hexachlorobutadiene	0.173	0.176	0.040	2.0148	30.0
Caprolactam	0.120	0.102	0.010	-15.0295	40.0
4-Chloro-3-methylphenol	0.358	0.351	0.040	-1.8386	25.0
1-Methylnaphthalene	0.743	0.734	0.100	-1.155	20.0
2-Methylnaphthalene	0.753	0.750	0.100	-0.4094	20.0
Hexachlorocyclopentadiene	0.378	0.405	0.010	7.1514	40.0
2,4,6-Trichlorophenol	0.399	0.387	0.090	-2.9536	25.0
2,4,5-Trichlorophenol	0.427	0.412	0.100	-3.5431	25.0
1,1-Biphenyl	1.588	1.534	0.200	-3.4152	20.0
2-Chloronaphthalene	1.246	1.188	0.300	-4.6817	20.0
2-Nitroaniline	0.391	0.375	0.050	-4.2784	40.0
Dimethylphthalate	1.596	1.499	0.300	-6.0901	20.0
2,6-Dinitrotoluene	0.319	0.297	0.080	-6.7996	30.0
Acenaphthylene	2.091	2.009	0.400	-3.9443	20.0
3-Nitroaniline	0.344	0.328	0.010	-4.8883	40.0
Acenaphthene	1.375	1.302	0.200	-5.2913	20.0
2,4-Dinitrophenol	0.204	0.184	0.010	-9.8869	40.0
4-Nitrophenol	0.228	0.209	0.010	-8.5018	40.0
Dibenzofuran	1.829	1.753	0.300	-4.1653	20.0
2,4-Dinitrotoluene	0.460	0.433	0.070	-5.8606	30.0
Diethylphthalate	1.657	1.510	0.300	-8.8365	20.0



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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:14:37

Lab File ID: BM044564.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020069 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.450	0.200	-3.0566	20.0
4-Chlorophenyl-phenylether	0.694	0.685	0.100	-1.3601	20.0
4-Nitroaniline	0.329	0.316	0.010	-4.1499	40.0
4,6-Dinitro-2-methylphenol	0.139	0.129	0.010	-7.0992	40.0
N-Nitrosodiphenylamine	0.602	0.592	0.050	-1.8021	20.0
1,2,4,5-Tetrachlorobenzene	0.569	0.557	0.100	-2.0215	20.0
4-Bromophenyl-phenylether	0.200	0.201	0.070	0.5585	20.0
Hexachlorobenzene	0.228	0.236	0.050	3.4681	25.0
Atrazine	0.197	0.194	0.010	-1.5189	25.0
Pentachlorophenol	0.150	0.144	0.010	-3.983	40.0
Phenanthrene	1.135	1.112	0.200	-1.9578	20.0
Pentachlorobenzene	0.258	0.268	0.050	3.7366	20.0
Anthracene	1.147	1.126	0.200	-1.8244	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.271	0.050	1.4977	20.0
Carbazole	1.078	1.049	0.050	-2.7205	40.0
Di-n-butylphthalate	1.450	1.319	0.500	-9.0292	25.0
Fluoranthene	1.461	1.444	0.400	-1.1789	25.0
Pyrene	1.521	1.499	0.400	-1.469	25.0
Butylbenzylphthalate	0.748	0.659	0.100	-11.9266	40.0
3,3-Dichlorobenzidine	0.433	0.436	0.010	0.822	40.0
Benzo(a)anthracene	1.502	1.427	0.300	-4.9926	30.0
Chrysene	1.391	1.312	0.200	-5.6737	30.0
Bis(2-ethylhexyl)phthalate	1.090	1.010	0.200	-7.339	40.0
Di-n-octyl phthalate	1.790	1.648	0.010	-7.9462	40.0
Benzo(b)fluoranthene	1.338	1.278	0.200	-4.4937	25.0
Benzo(k)fluoranthene	1.311	1.286	0.200	-1.8993	25.0
Benzo(a)pyrene	1.252	1.181	0.200	-5.6927	20.0
Indeno(1,2,3-cd)pyrene	1.404	1.271	0.200	-9.463	25.0
Dibenzo(a,h)anthracene	1.171	1.083	0.200	-7.5047	30.0
Benzo(g,h,i)perylene	1.121	0.991	0.200	-11.5936	30.0
2,3,4,6-Tetrachlorophenol	0.354	0.339	0.040	-4.0612	20.0
1,4-Dioxane-d8	0.590	0.519	0.010	-11.9693	25.0
Pyridine-d5	1.736	1.480	0.010	-14.7398	40.0
Phenol-d5	2.056	1.874	0.010	-8.8675	25.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.205	0.050	-5.1341	25.0
2-Chlorophenol-d4	1.511	1.433	0.200	-5.1911	20.0
4-Methylphenol-d8	1.615	1.467	0.010	-9.1816	20.0
Nitrobenzene-d5	0.168	0.162	0.050	-3.6426	20.0
2-Nitrophenol-d4	0.182	0.178	0.050	-1.8676	30.0
2,4-Dichlorophenol-d3	0.309	0.312	0.060	1.0746	20.0
4-Chloroaniline-d4	0.513	0.484	0.010	-5.6688	40.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824
Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:14:37
Lab File ID: BM044564.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020069 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.474	0.300	-6.0172	20.0
Acenaphthylene-d8	1.794	1.693	0.400	-5.6406	20.0
4-Nitrophenol-d4	0.325	0.296	0.010	-9.0324	40.0
Fluorene-d10	1.318	1.252	0.100	-5.0733	20.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.121	0.010	-6.9891	40.0
Anthracene-d10	0.956	0.941	0.300	-1.5202	20.0
Pyrene-d10	1.227	1.211	0.300	-1.3095	25.0
Benzo(a)pyrene-d12	1.051	1.005	0.010	-4.4083	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.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:17:00

Lab File ID: BM044568.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020070 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.610	0.521	0.010	-14.6385	50.0
Benzaldehyde	0.896	1.052	0.010	17.4265	50.0
Pyridine	1.800	1.547	0.010	-14.0358	50.0
Phenol	2.099	1.898	0.080	-9.5635	50.0
Bis(2-Chloroethyl) ether	1.723	1.576	0.100	-8.5178	50.0
2-Chlorophenol	1.559	1.450	0.200	-6.9619	50.0
2-Methylphenol	1.593	1.441	0.010	-9.5103	50.0
2,2-oxybis(1-Chloropropane)	2.276	2.255	0.010	-0.9138	50.0
Acetophenone	2.505	2.405	0.060	-3.9564	50.0
4-Methylphenol	1.734	1.596	0.010	-7.9093	50.0
N-Nitroso-di-n-propylamine	1.294	1.278	0.050	-1.2168	50.0
Hexachloroethane	0.638	0.588	0.100	-7.9026	50.0
Nitrobenzene	0.399	0.396	0.050	-0.9443	50.0
Isophorone	0.815	0.795	0.050	-2.4486	50.0
2-Nitrophenol	0.198	0.193	0.050	-2.686	50.0
2,4-Dimethylphenol	0.360	0.344	0.050	-4.4271	50.0
Bis(2-Chloroethoxy) methane	0.512	0.496	0.050	-3.2122	50.0
2,4-Dichlorophenol	0.308	0.309	0.060	0.0435	50.0
Naphthalene	1.133	1.102	0.200	-2.6872	50.0
4-Chloroaniline	0.495	0.473	0.010	-4.3533	50.0
Hexachlorobutadiene	0.173	0.175	0.040	1.4019	50.0
Caprolactam	0.120	0.105	0.010	-12.2628	50.0
4-Chloro-3-methylphenol	0.358	0.352	0.040	-1.6299	50.0
1-Methylnaphthalene	0.743	0.735	0.100	-1.1195	50.0
2-Methylnaphthalene	0.753	0.754	0.100	0.1014	50.0
Hexachlorocyclopentadiene	0.378	0.405	0.010	7.1919	50.0
2,4,6-Trichlorophenol	0.399	0.386	0.090	-3.2542	50.0
2,4,5-Trichlorophenol	0.427	0.415	0.100	-3.0077	50.0
1,1-Biphenyl	1.588	1.518	0.200	-4.3938	50.0
2-Chloronaphthalene	1.246	1.188	0.300	-4.663	50.0
2-Nitroaniline	0.391	0.384	0.050	-1.9779	50.0
Dimethylphthalate	1.596	1.507	0.300	-5.5977	50.0
2,6-Dinitrotoluene	0.319	0.297	0.080	-7.0156	50.0
Acenaphthylene	2.091	2.008	0.400	-3.9719	50.0
3-Nitroaniline	0.344	0.330	0.010	-4.2261	50.0
Acenaphthene	1.375	1.312	0.200	-4.6	50.0
2,4-Dinitrophenol	0.204	0.186	0.010	-8.8072	50.0
4-Nitrophenol	0.228	0.211	0.010	-7.3343	50.0
Dibenzofuran	1.829	1.762	0.300	-3.6552	50.0
2,4-Dinitrotoluene	0.460	0.433	0.070	-5.9491	50.0
Diethylphthalate	1.657	1.533	0.300	-7.4896	50.0



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:17:00

Lab File ID: BM044568.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020070 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.439	0.200	-3.799	50.0
4-Chlorophenyl-phenylether	0.694	0.684	0.100	-1.4005	50.0
4-Nitroaniline	0.329	0.323	0.010	-1.9796	50.0
4,6-Dinitro-2-methylphenol	0.139	0.131	0.010	-5.6014	50.0
N-Nitrosodiphenylamine	0.602	0.592	0.050	-1.7052	50.0
1,2,4,5-Tetrachlorobenzene	0.569	0.560	0.100	-1.6516	50.0
4-Bromophenyl-phenylether	0.200	0.204	0.070	2.1426	50.0
Hexachlorobenzene	0.228	0.236	0.050	3.4321	50.0
Atrazine	0.197	0.198	0.010	0.7568	50.0
Pentachlorophenol	0.150	0.146	0.010	-3.2916	50.0
Phenanthrene	1.135	1.103	0.200	-2.7936	50.0
Pentachlorobenzene	0.258	0.269	0.050	4.0239	50.0
Anthracene	1.147	1.132	0.200	-1.3283	50.0
1,2,3,4-Tetrachlorobenzene	0.267	0.272	0.050	1.7342	50.0
Carbazole	1.078	1.046	0.050	-2.9504	50.0
Di-n-butylphthalate	1.450	1.348	0.500	-7.079	50.0
Fluoranthene	1.461	1.487	0.400	1.8229	50.0
Pyrene	1.521	1.547	0.400	1.6909	50.0
Butylbenzylphthalate	0.748	0.682	0.100	-8.7412	50.0
3,3-Dichlorobenzidine	0.433	0.437	0.010	1.0501	50.0
Benzo(a)anthracene	1.502	1.434	0.300	-4.5307	50.0
Chrysene	1.391	1.308	0.200	-5.9576	50.0
Bis(2-ethylhexyl)phthalate	1.090	1.040	0.200	-4.6268	50.0
Di-n-octyl phthalate	1.790	1.714	0.010	-4.2665	50.0
Benzo(b)fluoranthene	1.338	1.294	0.200	-3.27	50.0
Benzo(k)fluoranthene	1.311	1.300	0.200	-0.8092	50.0
Benzo(a)pyrene	1.252	1.182	0.200	-5.5594	50.0
Indeno(1,2,3-cd)pyrene	1.404	1.270	0.200	-9.5539	50.0
Dibenzo(a,h)anthracene	1.171	1.071	0.200	-8.5435	50.0
Benzo(g,h,i)perylene	1.121	0.983	0.200	-12.2277	50.0
2,3,4,6-Tetrachlorophenol	0.354	0.339	0.040	-4.2093	50.0
1,4-Dioxane-d8	0.590	0.500	0.010	-15.26	50.0
Pyridine-d5	1.736	1.495	0.010	-13.8645	50.0
Phenol-d5	2.056	1.852	0.010	-9.9179	50.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.187	0.050	-6.535	50.0
2-Chlorophenol-d4	1.511	1.412	0.200	-6.5357	50.0
4-Methylphenol-d8	1.615	1.471	0.010	-8.8981	50.0
Nitrobenzene-d5	0.168	0.162	0.050	-3.6582	50.0
2-Nitrophenol-d4	0.182	0.178	0.050	-1.8333	50.0
2,4-Dichlorophenol-d3	0.309	0.311	0.060	0.7448	50.0
4-Chloroaniline-d4	0.513	0.489	0.010	-4.7338	50.0



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG No.: BM030824

Instrument ID: BNA_M Calibration Date/Time: 3/8/2024 12:17:00

Lab File ID: BM044568.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020070 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.473	0.300	-6.1389	50.0
Acenaphthylene-d8	1.794	1.703	0.400	-5.1115	50.0
4-Nitrophenol-d4	0.325	0.297	0.010	-8.5766	50.0
Fluorene-d10	1.318	1.241	0.100	-5.904	50.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.122	0.010	-6.0703	50.0
Anthracene-d10	0.956	0.938	0.300	-1.8458	50.0
Pyrene-d10	1.227	1.234	0.300	0.6197	50.0
Benzo(a)pyrene-d12	1.051	1.006	0.010	-4.2602	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BM030824
Lab Sample ID:	PB159439BL	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
BM044558.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.49	U	0.49	0.5	2	ug/L
100-52-7	Benzaldehyde	2.5	U	2.5	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	1.4	U	1.4	5	10	ug/L
95-57-8	2-Chlorophenol	1.3	U	1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	1.4	U	1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1.4	U	1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.6	U	1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	1.4	U	1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.4	U	1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	0.98	U	0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	1.5	U	1.5	2.5	5	ug/L
91-20-3	Naphthalene	1.3	U	1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.2	U	1.2	2.5	5	ug/L
105-60-2	Caprolactam	4.5	U	4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.4	U	1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.4	U	1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.3	U	3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	1.7	U	1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.2	U	1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BM030824
Lab Sample ID:	PB159439BL	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
BM044558.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1.5	U	1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	1.5	U	1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.84	U	0.84	5	10	ug/L
83-32-9	Acenaphthene	1.5	U	1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	5.9	U	5.9	5	10	ug/L
100-02-7	4-Nitrophenol	1.5	U	1.5	5	10	ug/L
132-64-9	Dibenzofuran	1.5	U	1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	1.5	U	1.5	2.5	5	ug/L
86-73-7	Fluorene	1.5	U	1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.6	U	1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.3	U	1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.94	U	0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.6	U	1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	1.6	U	1.6	2.5	5	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5	10	ug/L
87-86-5	Pentachlorophenol	3.6	U	3.6	5	10	ug/L
85-01-8	Phenanthrene	1.6	U	1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.5	U	1.5	2.5	5	ug/L
120-12-7	Anthracene	1.4	U	1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.2	U	1.2	2.5	5	ug/L
86-74-8	Carbazole	1.6	U	1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	1.7	U	1.7	2.5	5	ug/L
206-44-0	Fluoranthene	1.7	U	1.7	5	5	ug/L
129-00-0	Pyrene	1.7	U	1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	1.5	U	1.5	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	1.4	U	1.4	2.5	5	ug/L
218-01-9	Chrysene	1.5	U	1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8	U	1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BM030824
Lab Sample ID:	PB159439BL	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
BM044558.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1.4	U	1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.6	U	1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.7	U	1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.5	U	1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.4	U	1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.4	U	1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.868		15-120		73	SPK: -8
7291-22-7	Pyridine-d5	29.326		20-120		73	SPK: -40
4165-62-2	Phenol-d5	28.933		10-130		72	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.146		25-120		78	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.231		20-130		76	SPK: -40
190780-66-6	4-Methylphenol-d8	28.896		25-125		72	SPK: -40
4165-60-0	Nitrobenzene-d5	32.026		20-125		80	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.13		20-130		80	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.057		20-120		78	SPK: -40
191656-33-4	4-Chloroaniline-d4	30.761		1-146		77	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.8		25-130		77	SPK: -40
93951-97-4	Acenaphthylene-d8	30.665		10-130		77	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.229		10-150		68	SPK: -40
81103-79-9	Fluorene-d10	31.672		25-125		79	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.158		10-130		65	SPK: -40
1719-06-8	Anthracene-d10	33.146		25-130		83	SPK: -40
1718-52-1	Pyrene-d10	32.301		15-130		81	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.171		20-130		83	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	225220	7.722				
1146-65-2	Naphthalene-d8	1001114	10.498				
15067-26-2	Acenaphthene-d10	643718	14.363				
1517-22-2	Phenanthrene-d10	1327470	17.115				



Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BM030824
Lab Sample ID:	PB159439BL	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
BM044558.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1207964	21.309				
1520-96-3	Perylene-d12	1252405	23.568				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-02	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
BM044559.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	J	0.49	0.5	2	ug/L
100-52-7	Benzaldehyde	5.8	J	2.5	5	10	ug/L
110-86-1	Pyridine	4	J	1.4	10	10	ug/L
108-95-2	Phenol	4.1	J	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	4.1	J	1.4	5	10	ug/L
95-57-8	2-Chlorophenol	4.1	J	1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	3.7	J	1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.6	J	1.4	5	10	ug/L
98-86-2	Acetophenone	4.3	J	1.5	5	10	ug/L
106-44-5	4-Methylphenol	3.9	J	1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	4.2	J	1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	4.2	J	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	4.6	J	1.4	2.5	5	ug/L
78-59-1	Isophorone	4.1	J	1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	4.2	J	1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	3.1	J	0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	4.2	J	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	4.5	J	1.5	2.5	5	ug/L
91-20-3	Naphthalene	4.4	J	1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	4.1	J	1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	4.6	J	1.2	2.5	5	ug/L
105-60-2	Caprolactam	4.5	U	4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	4	J	1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	4.6	J	1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	4.4	J	1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.7	J	3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	3.9	J	1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	4	J	1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	4.4	J	1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	4.3	J	1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	3.7	J	1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-02	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
BM044559.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	4.2	J	1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	3.6	J	1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	4.4	J	1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	3.6	J	0.84	5	10	ug/L
83-32-9	Acenaphthene	4.4	J	1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	5.9	U	5.9	5	10	ug/L
100-02-7	4-Nitrophenol	4.7	J	1.5	5	10	ug/L
132-64-9	Dibenzofuran	4.5	J	1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	3.8	J	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	4	J	1.5	2.5	5	ug/L
86-73-7	Fluorene	4.5	J	1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.6	J	1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	4	J	1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	4.5	J	0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	4.1	J	1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.6	J	1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	4.3	J	1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	4.6	J	1.6	2.5	5	ug/L
1912-24-9	Atrazine	4.9	J	1.6	5	10	ug/L
87-86-5	Pentachlorophenol	4.5	J	3.6	5	10	ug/L
85-01-8	Phenanthrene	4.3	J	1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	5		1.5	2.5	5	ug/L
120-12-7	Anthracene	4.1	J	1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	4.4	J	1.2	2.5	5	ug/L
86-74-8	Carbazole	4	J	1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	3.5	J	1.7	2.5	5	ug/L
206-44-0	Fluoranthene	4.2	J	1.7	5	5	ug/L
129-00-0	Pyrene	4.3	J	1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	3	J	1.5	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	4.5	J	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	4.1	J	1.4	2.5	5	ug/L
218-01-9	Chrysene	4.1	J	1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3.2	J	1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-02	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
BM044559.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	3.2	J	1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	4.2	J	1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	4.3	J	1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	4.2	J	1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	3.9	J	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	3.9	J	1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	3.8	J	1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	3.9	J	1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.352		15-120		54	SPK: -8
7291-22-7	Pyridine-d5	21.312		20-120		53	SPK: -40
4165-62-2	Phenol-d5	20.584		10-130		51	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.404		25-120		54	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.135		20-130		53	SPK: -40
190780-66-6	4-Methylphenol-d8	19.997		25-125		50	SPK: -40
4165-60-0	Nitrobenzene-d5	22.5		20-125		56	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.304		20-130		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.006		20-120		55	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.552		1-146		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.5		25-130		54	SPK: -40
93951-97-4	Acenaphthylene-d8	21.925		10-130		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.031		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	22.635		25-125		57	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.697		10-130		47	SPK: -40
1719-06-8	Anthracene-d10	20.901		25-130		52	SPK: -40
1718-52-1	Pyrene-d10	21.814		15-130		55	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.182		20-130		55	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	270888	7.722				
1146-65-2	Naphthalene-d8	1212104	10.498				
15067-26-2	Acenaphthene-d10	750701	14.363				
1517-22-2	Phenanthrene-d10	1603788	17.115				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-02	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
BM044559.D	1	3/5/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1435486	21.309				
1520-96-3	Perylene-d12	1453437	23.568				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-04	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
BM044560.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	37	J	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	200	J	75	82.5	330	ug/Kg
110-86-1	Pyridine	130	J	43	170	330	ug/Kg
108-95-2	Phenol	140	J	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	140	J	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	140	J	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	130	J	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	J	27	82.5	330	ug/Kg
98-86-2	Acetophenone	140	J	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	130	J	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	140	J	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	140	J	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	150	J	36	42.5	170	ug/Kg
78-59-1	Isophorone	140	J	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	140	J	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	110	J	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	140	J	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	150	J	39	42.5	170	ug/Kg
91-20-3	Naphthalene	150	J	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	140	J	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	160	J	34	42.5	170	ug/Kg
105-60-2	Caprolactam	130	J	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	J	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	150	J	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	150	J	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	J	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	J	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	J	42	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	150	J	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	150	J	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	120	J	22	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-04	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
BM044560.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	140	J	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	J	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	140	J	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	120	J	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	150	J	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	140	J	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	150	J	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	150	J	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	J	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	130	J	60	42.5	170	ug/Kg
86-73-7	Fluorene	150	J	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	J	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	130	J	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	J	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	140	J	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	J	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	J	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	150	J	50	42.5	170	ug/Kg
1912-24-9	Atrazine	170	J	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	150	J	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	140	J	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	170		51	42.5	170	ug/Kg
120-12-7	Anthracene	140	J	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	150	J	33	42.5	170	ug/Kg
86-74-8	Carbazole	140	J	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	120	J	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	140	J	44	82.5	170	ug/Kg
129-00-0	Pyrene	140	J	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	J	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	J	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	39	42.5	170	ug/Kg
218-01-9	Chrysene	140	J	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	44	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-04	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
BM044560.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	110	J	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	J	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	140	J	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	J	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	J	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	J	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.481		15-120		56	SPK: -8
7291-22-7	Pyridine-d5	21.987		20-120		55	SPK: -40
4165-62-2	Phenol-d5	20.991		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.732		10-150		54	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.612		15-120		54	SPK: -40
190780-66-6	4-Methylphenol-d8	20.187		10-140		50	SPK: -40
4165-60-0	Nitrobenzene-d5	22.58		10-135		56	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.513		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.118		10-140		55	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.735		1-145		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.281		10-145		53	SPK: -40
93951-97-4	Acenaphthylene-d8	21.893		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.956		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	22.222		20-140		56	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.734		10-130		47	SPK: -40
1719-06-8	Anthracene-d10	20.831		10-150		52	SPK: -40
1718-52-1	Pyrene-d10	21.49		10-130		54	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.088		10-140		55	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	282876	7.716				
1146-65-2	Naphthalene-d8	1272625	10.498				
15067-26-2	Acenaphthene-d10	789846	14.363				
1517-22-2	Phenanthrene-d10	1670959	17.115				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-04	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
BM044560.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1507593	21.309				
1520-96-3	Perylene-d12	1510612	23.568				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044561.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1000	J	370	190	1900	ug/Kg
100-52-7	Benzaldehyde	5600	J	2100	2300	9400	ug/Kg
110-86-1	Pyridine	3800	J	1200	4700	9400	ug/Kg
108-95-2	Phenol	3900	J	940	2300	9400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	4000	J	870	2300	9400	ug/Kg
95-57-8	2-Chlorophenol	4000	J	830	1200	4700	ug/Kg
95-48-7	2-Methylphenol	3600	J	900	2300	9400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4300	J	730	2300	9400	ug/Kg
98-86-2	Acetophenone	4100	J	1000	2300	9400	ug/Kg
106-44-5	4-Methylphenol	3700	J	820	2300	9400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	4100	J	720	1200	4700	ug/Kg
67-72-1	Hexachloroethane	4000	J	550	1200	4700	ug/Kg
98-95-3	Nitrobenzene	4400	J	900	1200	4700	ug/Kg
78-59-1	Isophorone	3900	J	860	1200	4700	ug/Kg
88-75-5	2-Nitrophenol	4100	J	1000	1200	4700	ug/Kg
105-67-9	2,4-Dimethylphenol	3000	J	800	1200	4700	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	4000	J	1000	1200	4700	ug/Kg
120-83-2	2,4-Dichlorophenol	4200	J	1200	1200	4700	ug/Kg
91-20-3	Naphthalene	4200	J	920	1200	4700	ug/Kg
106-47-8	4-Chloroaniline	3900	J	1200	1200	9400	ug/Kg
87-68-3	Hexachlorobutadiene	4400	J	1000	1200	4700	ug/Kg
105-60-2	Caprolactam	3700	J	2500	2300	9400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	3700	J	840	1200	4700	ug/Kg
90-12-0	1-Methylnaphthalene	4400	J	1100	1200	4700	ug/Kg
91-57-6	2-Methylnaphthalene	4200	J	1100	1200	4700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3400	J	2300	2300	9400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	3700	J	1100	1200	4700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	3900	J	1300	1200	4700	ug/Kg
92-52-4	1,1-Biphenyl	4200	J	1300	1200	4700	ug/Kg
91-58-7	2-Chloronaphthalene	4100	J	1300	1200	4700	ug/Kg
88-74-4	2-Nitroaniline	3600	J	640	1200	4700	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044561.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	4100	J	1200	1200	4700	ug/Kg
606-20-2	2,6-Dinitrotoluene	3500	J	700	1200	4700	ug/Kg
208-96-8	Acenaphthylene	4100	J	1300	1200	4700	ug/Kg
99-09-2	3-Nitroaniline	3500	J	640	2300	9400	ug/Kg
83-32-9	Acenaphthene	4200	J	1200	1200	4700	ug/Kg
51-28-5	2,4-Dinitrophenol	3900	J	2800	2300	9400	ug/Kg
100-02-7	4-Nitrophenol	4200	J	1200	2300	9400	ug/Kg
132-64-9	Dibenzofuran	4200	J	1300	1200	4700	ug/Kg
121-14-2	2,4-Dinitrotoluene	3600	J	830	1200	4700	ug/Kg
84-66-2	Diethylphthalate	3800	J	1700	1200	4700	ug/Kg
86-73-7	Fluorene	4300	J	1300	1200	4700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4400	J	1500	1200	4700	ug/Kg
100-01-6	4-Nitroaniline	3800	J	1000	2300	9400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4300	J	450	2300	9400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	4000	J	1200	1200	4700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4300	J	1400	1200	4700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4100	J	1200	1200	4700	ug/Kg
118-74-1	Hexachlorobenzene	4300	J	1400	1200	4700	ug/Kg
1912-24-9	Atrazine	4800	J	880	2300	9400	ug/Kg
87-86-5	Pentachlorophenol	4400	J	2400	2300	9400	ug/Kg
85-01-8	Phenanthrene	4100	J	1300	1200	4700	ug/Kg
608-93-5	Pentachlorobenzene	4700		1500	1200	4700	ug/Kg
120-12-7	Anthracene	3900	J	1300	1200	4700	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	4200	J	1000	1200	4700	ug/Kg
86-74-8	Carbazole	3800	J	1400	2300	9400	ug/Kg
84-74-2	Di-n-butylphthalate	3400	J	1300	1200	4700	ug/Kg
206-44-0	Fluoranthene	4000	J	1200	2300	4700	ug/Kg
129-00-0	Pyrene	4200	J	1300	1200	4700	ug/Kg
85-68-7	Butylbenzylphthalate	3000	J	1000	1200	4700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4200	J	700	2300	9400	ug/Kg
56-55-3	Benzo(a)anthracene	3800	J	1200	1200	4700	ug/Kg
218-01-9	Chrysene	3800	J	1300	1200	4700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3100	J	1400	1200	4700	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044561.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	3300	J	1000	2300	9400	ug/Kg
205-99-2	Benzo(b)fluoranthene	3900	J	1200	1200	4700	ug/Kg
207-08-9	Benzo(k)fluoranthene	4200	J	1500	1200	4700	ug/Kg
50-32-8	Benzo(a)pyrene	4000	J	1400	1200	4700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3700	J	1100	1200	4700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3700	J	1200	1200	4700	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3600	J	1200	1200	4700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	3700	J	1100	1200	4700	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.372		15-120		55	SPK: -8
7291-22-7	Pyridine-d5	22.015		20-120		55	SPK: -40
4165-62-2	Phenol-d5	20.855		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.919		10-150		55	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.674		15-120		54	SPK: -40
190780-66-6	4-Methylphenol-d8	20.448		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	22.354		10-135		56	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.38		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.879		10-140		55	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.818		1-145		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.731		10-145		54	SPK: -40
93951-97-4	Acenaphthylene-d8	22.007		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.12		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	22.661		20-140		57	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.916		10-130		47	SPK: -40
1719-06-8	Anthracene-d10	20.903		10-150		52	SPK: -40
1718-52-1	Pyrene-d10	22.155		10-130		55	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.127		10-140		55	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	280273	7.716				
1146-65-2	Naphthalene-d8	1281109	10.499				
15067-26-2	Acenaphthene-d10	795225	14.363				
1517-22-2	Phenanthrene-d10	1686062	17.116				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BM030824
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044561.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1461036	21.31				
1520-96-3	Perylene-d12	1399851	23.562				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1300	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BM030824
Lab Sample ID:	PB159472BL	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
BM044562.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	75	U	75	82.5	330	ug/Kg
110-86-1	Pyridine	43	U	43	170	330	ug/Kg
108-95-2	Phenol	35	U	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	30	U	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27	U	27	82.5	330	ug/Kg
98-86-2	Acetophenone	38	U	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	32	U	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	29	U	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	23	U	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	36	U	36	42.5	170	ug/Kg
78-59-1	Isophorone	34	U	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	32	U	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	28	U	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	38	U	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	39	U	39	42.5	170	ug/Kg
91-20-3	Naphthalene	34	U	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	34	U	34	42.5	170	ug/Kg
105-60-2	Caprolactam	120	U	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28	U	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	79	U	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43	U	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	48	U	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	45	U	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	22	U	22	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BM030824
Lab Sample ID:	PB159472BL	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
BM044562.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	42	U	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	21	U	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	43	U	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	20	U	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	41	U	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	41	U	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	46	U	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	60	U	60	42.5	170	ug/Kg
86-73-7	Fluorene	45	U	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47	U	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	42	U	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	42	U	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45	U	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	50	U	50	42.5	170	ug/Kg
1912-24-9	Atrazine	39	U	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	87	U	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	44	U	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	42.5	170	ug/Kg
120-12-7	Anthracene	43	U	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	33	U	33	42.5	170	ug/Kg
86-74-8	Carbazole	45	U	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	42	U	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	44	U	44	82.5	170	ug/Kg
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BM030824
Lab Sample ID:	PB159472BL	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
BM044562.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.639		15-120		70	SPK: -8
7291-22-7	Pyridine-d5	28.719		20-120		72	SPK: -40
4165-62-2	Phenol-d5	28.285		10-130		71	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.773		10-150		77	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.302		15-120		73	SPK: -40
190780-66-6	4-Methylphenol-d8	28.458		10-140		71	SPK: -40
4165-60-0	Nitrobenzene-d5	31.894		10-135		80	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.896		10-120		80	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.712		10-140		77	SPK: -40
191656-33-4	4-Chloroaniline-d4	30.754		1-145		77	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.311		10-145		78	SPK: -40
93951-97-4	Acenaphthylene-d8	31.199		15-120		78	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.826		10-150		70	SPK: -40
81103-79-9	Fluorene-d10	32.193		20-140		80	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	25.987		10-130		65	SPK: -40
1719-06-8	Anthracene-d10	32.99		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	32.92		10-130		82	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.384		10-140		83	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	230615	7.722				
1146-65-2	Naphthalene-d8	1020703	10.504				
15067-26-2	Acenaphthene-d10	655545	14.363				
1517-22-2	Phenanthrene-d10	1354090	17.115				



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

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BM030824
Lab Sample ID:	PB159472BL	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
BM044562.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1217363	21.309				
1520-96-3	Perylene-d12	1279710	23.568				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BM030824
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044563.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	380	U	380	190	1900	ug/Kg
100-52-7	Benzaldehyde	2100	U	2100	2400	9700	ug/Kg
110-86-1	Pyridine	1300	U	1300	4800	9700	ug/Kg
108-95-2	Phenol	970	U	970	2400	9700	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	890	U	890	2400	9700	ug/Kg
95-57-8	2-Chlorophenol	850	U	850	1200	4900	ug/Kg
95-48-7	2-Methylphenol	920	U	920	2400	9700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	750	U	750	2400	9700	ug/Kg
98-86-2	Acetophenone	1100	U	1100	2400	9700	ug/Kg
106-44-5	4-Methylphenol	840	U	840	2400	9700	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	740	U	740	1200	4900	ug/Kg
67-72-1	Hexachloroethane	560	U	560	1200	4900	ug/Kg
98-95-3	Nitrobenzene	920	U	920	1200	4900	ug/Kg
78-59-1	Isophorone	880	U	880	1200	4900	ug/Kg
88-75-5	2-Nitrophenol	1100	U	1100	1200	4900	ug/Kg
105-67-9	2,4-Dimethylphenol	830	U	830	1200	4900	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1100	U	1100	1200	4900	ug/Kg
120-83-2	2,4-Dichlorophenol	1300	U	1300	1200	4900	ug/Kg
91-20-3	Naphthalene	940	U	940	1200	4900	ug/Kg
106-47-8	4-Chloroaniline	1300	U	1300	1200	9700	ug/Kg
87-68-3	Hexachlorobutadiene	1100	U	1100	1200	4900	ug/Kg
105-60-2	Caprolactam	2600	U	2600	2400	9700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	860	U	860	1200	4900	ug/Kg
90-12-0	1-Methylnaphthalene	1200	U	1200	1200	4900	ug/Kg
91-57-6	2-Methylnaphthalene	1200	U	1200	1200	4900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2300	U	2300	2400	9700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	1200	4900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400	U	1400	1200	4900	ug/Kg
92-52-4	1,1-Biphenyl	1400	U	1400	1200	4900	ug/Kg
91-58-7	2-Chloronaphthalene	1400	U	1400	1200	4900	ug/Kg
88-74-4	2-Nitroaniline	660	U	660	1200	4900	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BM030824
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044563.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1300	U	1300	1200	4900	ug/Kg
606-20-2	2,6-Dinitrotoluene	720	U	720	1200	4900	ug/Kg
208-96-8	Acenaphthylene	1400	U	1400	1200	4900	ug/Kg
99-09-2	3-Nitroaniline	660	U	660	2400	9700	ug/Kg
83-32-9	Acenaphthene	1300	U	1300	1200	4900	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	U	2900	2400	9700	ug/Kg
100-02-7	4-Nitrophenol	1300	U	1300	2400	9700	ug/Kg
132-64-9	Dibenzofuran	1400	U	1400	1200	4900	ug/Kg
121-14-2	2,4-Dinitrotoluene	850	U	850	1200	4900	ug/Kg
84-66-2	Diethylphthalate	1700	U	1700	1200	4900	ug/Kg
86-73-7	Fluorene	1400	U	1400	1200	4900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600	U	1600	1200	4900	ug/Kg
100-01-6	4-Nitroaniline	1100	U	1100	2400	9700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	470	U	470	2400	9700	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1300	U	1300	1200	4900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500	U	1500	1200	4900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300	U	1300	1200	4900	ug/Kg
118-74-1	Hexachlorobenzene	1500	U	1500	1200	4900	ug/Kg
1912-24-9	Atrazine	900	U	900	2400	9700	ug/Kg
87-86-5	Pentachlorophenol	2400	U	2400	2400	9700	ug/Kg
85-01-8	Phenanthrene	1400	U	1400	1200	4900	ug/Kg
608-93-5	Pentachlorobenzene	1600	U	1600	1200	4900	ug/Kg
120-12-7	Anthracene	1400	U	1400	1200	4900	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1100	U	1100	1200	4900	ug/Kg
86-74-8	Carbazole	1500	U	1500	2400	9700	ug/Kg
84-74-2	Di-n-butylphthalate	1400	U	1400	1200	4900	ug/Kg
206-44-0	Fluoranthene	1300	U	1300	2400	4900	ug/Kg
129-00-0	Pyrene	1400	U	1400	1200	4900	ug/Kg
85-68-7	Butylbenzylphthalate	1100	U	1100	1200	4900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	720	U	720	2400	9700	ug/Kg
56-55-3	Benzo(a)anthracene	1300	U	1300	1200	4900	ug/Kg
218-01-9	Chrysene	1400	U	1400	1200	4900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500	U	1500	1200	4900	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BM030824
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044563.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1100	U	1100	2400	9700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300	U	1300	1200	4900	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600	U	1600	1200	4900	ug/Kg
50-32-8	Benzo(a)pyrene	1500	U	1500	1200	4900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200	U	1200	1200	4900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300	U	1300	1200	4900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300	U	1300	1200	4900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200	U	1200	1200	4900	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.49		15-120		69	SPK: -8
7291-22-7	Pyridine-d5	29.632		20-120		74	SPK: -40
4165-62-2	Phenol-d5	29.185		10-130		73	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.622		10-150		79	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.667		15-120		77	SPK: -40
190780-66-6	4-Methylphenol-d8	29.336		10-140		73	SPK: -40
4165-60-0	Nitrobenzene-d5	32.79		10-135		82	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.954		10-120		82	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.782		10-140		79	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.771		1-145		79	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.942		10-145		80	SPK: -40
93951-97-4	Acenaphthylene-d8	31.661		15-120		79	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.42		10-150		69	SPK: -40
81103-79-9	Fluorene-d10	32.812		20-140		82	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.627		10-130		67	SPK: -40
1719-06-8	Anthracene-d10	33.791		10-150		84	SPK: -40
1718-52-1	Pyrene-d10	35.525		10-130		89	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	34.088		10-140		85	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	224955	7.716				
1146-65-2	Naphthalene-d8	1001216	10.498				
15067-26-2	Acenaphthene-d10	646597	14.363				
1517-22-2	Phenanthrene-d10	1319210	17.115				



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

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BM030824
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03	Units:	g
Soil Aliquot Vol:	100	Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	MED
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044563.D	1	3/6/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1108834	21.309				
1520-96-3	Perylene-d12	1120922	23.562				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1400	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SBLK505	SDG No.:	BM030824
Lab Sample ID:	PB159505BL	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
BM044565.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.49	U	0.49	0.5	2	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
100-52-7	Benzaldehyde	2.5	U	2.5	5	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.4	U	1.4	5	10	ug/L
95-57-8	2-Chlorophenol	1.3	U	1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	1.4	U	1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1.4	U	1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.6	U	1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	1.4	U	1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.4	U	1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	0.98	U	0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	1.5	U	1.5	2.5	5	ug/L
91-20-3	Naphthalene	1.3	U	1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.2	U	1.2	2.5	5	ug/L
105-60-2	Caprolactam	4.5	U	4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.4	U	1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.4	U	1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.3	U	3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	1.7	U	1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.2	U	1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SBLK505	SDG No.:	BM030824
Lab Sample ID:	PB159505BL	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
BM044565.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1.5	U	1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	1.5	U	1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.84	U	0.84	5	10	ug/L
83-32-9	Acenaphthene	1.5	U	1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	5.9	U	5.9	5	10	ug/L
100-02-7	4-Nitrophenol	1.5	U	1.5	5	10	ug/L
132-64-9	Dibenzofuran	1.5	U	1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	1.5	U	1.5	2.5	5	ug/L
86-73-7	Fluorene	1.5	U	1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.6	U	1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.3	U	1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.94	U	0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.6	U	1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	1.6	U	1.6	2.5	5	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5	10	ug/L
87-86-5	Pentachlorophenol	3.6	U	3.6	5	10	ug/L
85-01-8	Phenanthrene	1.6	U	1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.5	U	1.5	2.5	5	ug/L
120-12-7	Anthracene	1.4	U	1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.2	U	1.2	2.5	5	ug/L
86-74-8	Carbazole	1.6	U	1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	1.7	U	1.7	2.5	5	ug/L
206-44-0	Fluoranthene	1.7	U	1.7	5	5	ug/L
129-00-0	Pyrene	1.7	U	1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	1.5	U	1.5	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	1.4	U	1.4	2.5	5	ug/L
218-01-9	Chrysene	1.5	U	1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8	U	1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SBLK505	SDG No.:	BM030824
Lab Sample ID:	PB159505BL	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
BM044565.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1.4	U	1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.6	U	1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.7	U	1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.5	U	1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.4	U	1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.4	U	1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.869		15-120		61	SPK: -8
7291-22-7	Pyridine-d5	24.866		20-120		62	SPK: -40
4165-62-2	Phenol-d5	24.061		10-130		60	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.172		25-120		65	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.427		20-130		64	SPK: -40
190780-66-6	4-Methylphenol-d8	24.333		25-125		61	SPK: -40
4165-60-0	Nitrobenzene-d5	26.969		20-125		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.547		20-130		69	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.916		20-120		65	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.946		1-146		65	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.196		25-130		65	SPK: -40
93951-97-4	Acenaphthylene-d8	26.033		10-130		65	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.534		10-150		56	SPK: -40
81103-79-9	Fluorene-d10	26.844		25-125		67	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	22.271		10-130		56	SPK: -40
1719-06-8	Anthracene-d10	28.407		25-130		71	SPK: -40
1718-52-1	Pyrene-d10	29.085		15-130		73	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.117		20-130		70	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	280340	7.716				
1146-65-2	Naphthalene-d8	1248773	10.498				
15067-26-2	Acenaphthene-d10	810274	14.363				
1517-22-2	Phenanthrene-d10	1636477	17.116				

**Report of Analysis**

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SBLK505	SDG No.:	BM030824
Lab Sample ID:	PB159505BL	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
BM044565.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1414299	21.309				
1520-96-3	Perylene-d12	1430627	23.568				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	BH7G7	SDG No.:	BM030824
Lab Sample ID:	P1703-01	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
BM044566.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.49	U	0.49	0.5	2	ug/L
100-52-7	Benzaldehyde	2.5	U	2.5	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	1.4	U	1.4	5	10	ug/L
95-57-8	2-Chlorophenol	1.3	U	1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	1.4	U	1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1.4	U	1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.6	U	1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	1.4	U	1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.4	U	1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	0.98	U	0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	1.5	U	1.5	2.5	5	ug/L
91-20-3	Naphthalene	1.3	U	1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.2	U	1.2	2.5	5	ug/L
105-60-2	Caprolactam	4.5	U	4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.4	U	1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.4	U	1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.3	U	3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	1.7	U	1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.2	U	1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	BH7G7	SDG No.:	BM030824
Lab Sample ID:	P1703-01	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
BM044566.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1.5	U	1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	1.5	U	1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.84	U	0.84	5	10	ug/L
83-32-9	Acenaphthene	1.5	U	1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	5.9	U	5.9	5	10	ug/L
100-02-7	4-Nitrophenol	1.5	U	1.5	5	10	ug/L
132-64-9	Dibenzofuran	1.5	U	1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	1.5	U	1.5	2.5	5	ug/L
86-73-7	Fluorene	1.5	U	1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.6	U	1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.3	U	1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.94	U	0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.6	U	1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	1.6	U	1.6	2.5	5	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5	10	ug/L
87-86-5	Pentachlorophenol	3.6	U	3.6	5	10	ug/L
85-01-8	Phenanthrene	1.6	U	1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.5	U	1.5	2.5	5	ug/L
120-12-7	Anthracene	1.4	U	1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.2	U	1.2	2.5	5	ug/L
86-74-8	Carbazole	1.6	U	1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	1.7	U	1.7	2.5	5	ug/L
206-44-0	Fluoranthene	1.7	U	1.7	5	5	ug/L
129-00-0	Pyrene	1.7	U	1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	1.5	U	1.5	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	1.4	U	1.4	2.5	5	ug/L
218-01-9	Chrysene	1.5	U	1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8	U	1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	BH7G7	SDG No.:	BM030824
Lab Sample ID:	P1703-01	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
BM044566.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1.4	U	1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.6	U	1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.7	U	1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.5	U	1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.4	U	1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.4	U	1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.675		15-120		58	SPK: -8
7291-22-7	Pyridine-d5	10.862		20-120		27	SPK: -40
4165-62-2	Phenol-d5	7.595		10-130		19	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	37.086		25-120		93	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.35		20-130		68	SPK: -40
190780-66-6	4-Methylphenol-d8	17.881		25-125		45	SPK: -40
4165-60-0	Nitrobenzene-d5	38.97		20-125		97	SPK: -40
93951-78-1	2-Nitrophenol-d4	37.802		20-130		95	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	34.704		20-120		87	SPK: -40
191656-33-4	4-Chloroaniline-d4	32.959		1-146		82	SPK: -40
85448-30-2	Dimethylphthalate-d6	39.536		25-130		99	SPK: -40
93951-97-4	Acenaphthylene-d8	39.367		10-130		98	SPK: -40
93951-79-2	4-Nitrophenol-d4	6.114		10-150		15	SPK: -40
81103-79-9	Fluorene-d10	41.113		25-125		103	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	36.175		10-130		90	SPK: -40
1719-06-8	Anthracene-d10	43.33		25-130		108	SPK: -40
1718-52-1	Pyrene-d10	44.787		15-130		112	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	43.389		20-130		108	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	242123	7.716				
1146-65-2	Naphthalene-d8	1088885	10.498				
15067-26-2	Acenaphthene-d10	707826	14.363				
1517-22-2	Phenanthrene-d10	1438269	17.115				



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

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	BH7G7	SDG No.:	BM030824
Lab Sample ID:	P1703-01	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
BM044566.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1217439	21.309				
1520-96-3	Perylene-d12	1186705	23.562				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SLCS505	SDG No.:	BM030824
Lab Sample ID:	PB159505BS	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
BM044567.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13		0.49	0.5	2	ug/L
100-52-7	Benzaldehyde	40		2.5	5	10	ug/L
110-86-1	Pyridine	32		1.4	10	10	ug/L
108-95-2	Phenol	38		1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	37		1.4	5	10	ug/L
95-57-8	2-Chlorophenol	38		1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	38		1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40		1.4	5	10	ug/L
98-86-2	Acetophenone	38		1.5	5	10	ug/L
106-44-5	4-Methylphenol	38		1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	39		1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	37		1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	40		1.4	2.5	5	ug/L
78-59-1	Isophorone	40		1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	40		1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	38		0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	38		1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	41		1.5	2.5	5	ug/L
91-20-3	Naphthalene	39		1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	29		1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	40		1.2	2.5	5	ug/L
105-60-2	Caprolactam	36		4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	40		1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	39		1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	39		1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	37		3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	38		1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	39		1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	38		1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	38		1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	41		1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SLCS505	SDG No.:	BM030824
Lab Sample ID:	PB159505BS	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
BM044567.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	38		1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	40		1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	38		1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	41		0.84	5	10	ug/L
83-32-9	Acenaphthene	38		1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	37		5.9	5	10	ug/L
100-02-7	4-Nitrophenol	39		1.5	5	10	ug/L
132-64-9	Dibenzofuran	38		1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	40		1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	38		1.5	2.5	5	ug/L
86-73-7	Fluorene	38		1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39		1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	46		1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40		0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	40		1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39		1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	42		1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	43		1.6	2.5	5	ug/L
1912-24-9	Atrazine	24		1.6	5	10	ug/L
87-86-5	Pentachlorophenol	38		3.6	5	10	ug/L
85-01-8	Phenanthrene	40		1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	42		1.5	2.5	5	ug/L
120-12-7	Anthracene	39		1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	42		1.2	2.5	5	ug/L
86-74-8	Carbazole	40		1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	39		1.7	2.5	5	ug/L
206-44-0	Fluoranthene	43		1.7	5	5	ug/L
129-00-0	Pyrene	42		1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	41		1.5	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	45		1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	40		1.4	2.5	5	ug/L
218-01-9	Chrysene	40		1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	40		1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SLCSS05	SDG No.:	BM030824
Lab Sample ID:	PB159505BS	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
BM044567.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	44		1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	43		1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	42		1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	41		1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39		1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	40		1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	38		1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37		1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	7.602		15-120		95	SPK: -8
7291-22-7	Pyridine-d5	39.316		20-120		98	SPK: -40
4165-62-2	Phenol-d5	43.184		10-130		108	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	43.869		25-120		110	SPK: -40
93951-73-6	2-Chlorophenol-d4	44.536		20-130		111	SPK: -40
190780-66-6	4-Methylphenol-d8	43.019		25-125		108	SPK: -40
4165-60-0	Nitrobenzene-d5	46.355		20-125		116	SPK: -40
93951-78-1	2-Nitrophenol-d4	47.86		20-130		120	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	47.74		20-120		119	SPK: -40
191656-33-4	4-Chloroaniline-d4	42.488		1-146		106	SPK: -40
85448-30-2	Dimethylphthalate-d6	44.489		25-130		111	SPK: -40
93951-97-4	Acenaphthylene-d8	45.453		10-130		114	SPK: -40
93951-79-2	4-Nitrophenol-d4	45.835		10-150		115	SPK: -40
81103-79-9	Fluorene-d10	44.801		25-125		112	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	48.195		10-130		120	SPK: -40
1719-06-8	Anthracene-d10	46.364		25-130		116	SPK: -40
1718-52-1	Pyrene-d10	49.538		15-130		124	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	49.106		20-130		123	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	265672	7.716				
1146-65-2	Naphthalene-d8	1194940	10.498				
15067-26-2	Acenaphthene-d10	734007	14.363				
1517-22-2	Phenanthrene-d10	1483276	17.115				



Report of Analysis

Client:		Date Collected:	3/7/2024 12:00:00 AM
Project:		Date Received:	3/7/2024 12:00:00 AM
Client Sample ID:	SLCS505	SDG No.:	BM030824
Lab Sample ID:	PB159505BS	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
BM044567.D	1	3/7/2024 12:00:00 AM	3/8/2024 12:00:00 AM	PB159505

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	1232393	21.315				
1520-96-3	Perylene-d12	1190072	23.568				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BM030824

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MDL-WATER-QT1-2024-02						
P1601-02	MDL-WATER-QT1-2024 Water	Total Alkanes	*	0.000	1.7	5	ug/L
		Total Tics :			0.00		
P1601-02	MDL-WATER-QT1-2024 Water	1,1-Biphenyl	4.400	J	1.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1,2,3,4-Tetrachlorobenzene	4.400	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1,2,4,5-Tetrachlorobenzene	4.600	J	1.8	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1,4-Dioxane	1.200	J	0.49	2	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1-Methylnaphthalene	4.600	J	1.3	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,2-oxybis(1-Chloropropane)	4.600	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,3,4,6-Tetrachlorophenol	3.900	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4,5-Trichlorophenol	4.000	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4,6-Trichlorophenol	3.900	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dichlorophenol	4.500	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dimethylphenol	3.100	J	0.98	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dinitrotoluene	3.800	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,6-Dinitrotoluene	3.600	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Chloronaphthalene	4.300	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Chlorophenol	4.100	J	1.3	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Methylnaphthalene	4.400	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Methylphenol	3.700	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Nitroaniline	3.700	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Nitrophenol	4.200	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	3,3-Dichlorobenzidine	4.500	J	1.1	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	3-Nitroaniline	3.600	J	0.84	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4,6-Dinitro-2-methylphenol	4.500	J	0.94	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Bromophenyl-phenylether	4.300	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Chloro-3-methylphenol	4.000	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Chloroaniline	4.100	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Chlorophenyl-phenylether	4.600	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Methylphenol	3.900	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Nitroaniline	4.000	J	1.3	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Nitrophenol	4.700	J	1.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Acenaphthene	4.400	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Acenaphthylene	4.400	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Acetophenone	4.300	J	1.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Anthracene	4.100	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Atrazine	4.900	J	1.6	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Benzaldehyde	5.800	J	2.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Benzo(a)anthracene	4.100	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Benzo(a)pyrene	4.200	J	1.5	5	ug/L

Hit Summary Sheet
SW-846

SDG No.: BM030824

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P1601-02	MDL-WATER-QT1-2024	Water Benzo(b)fluoranthene	4.200	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Benzo(g,h,i)perylene	3.800	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Benzo(k)fluoranthene	4.300	J	1.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Bis(2-Chloroethoxy)methane	4.200	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Bis(2-Chloroethyl)ether	4.100	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Bis(2-ethylhexyl)phthalate	3.200	J	1.8	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Butylbenzylphthalate	3.000	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Carbazole	4.000	J	1.6	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Chrysene	4.100	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Di-n-butylphthalate	3.500	J	1.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Di-n-octyl phthalate	3.200	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Dibenzo(a,h)anthracene	3.900	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Dibenzofuran	4.500	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Diethylphthalate	4.000	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Dimethylphthalate	4.200	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Fluoranthene	4.200	J	1.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Fluorene	4.500	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachlorobenzene	4.600	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachlorobutadiene	4.600	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachlorocyclopentadiene	3.700	J	3.3	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachloroethane	4.200	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Indeno(1,2,3-cd)pyrene	3.900	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Isophorone	4.100	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water N-Nitroso-di-n-propylamine	4.200	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water N-Nitrosodiphenylamine	4.100	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Naphthalene	4.400	J	1.3	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Nitrobenzene	4.600	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pentachlorobenzene	5.000		1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pentachlorophenol	4.500	J	3.6	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Phenanthrene	4.300	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Phenol	4.100	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pyrene	4.300	J	1.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pyridine	4.000	J	1.4	10	ug/L
Total Svoc :			288.90				
Total Concentration:			288.90				
Client ID :	MDL-SOIL-QT1-2024-02						
P1601-04	MDL-SOIL-QT1-2024-02	Solid Total Alkanes	*	0.000	48	170	ug/Kg
Total Tics :			0.00				
P1601-04	MDL-SOIL-QT1-2024-02	Solid 1,1-Biphenyl	150.000	J	48	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-02	Solid 1,2,3,4-Tetrachlorobenzene	150.000	J	33	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-02	Solid 1,2,4,5-Tetrachlorobenzene	150.000	J	51	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-02	Solid 1,4-Dioxane	37.000	J	13	67	ug/Kg

Hit Summary Sheet
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SDG No.: BM030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-04	MDL-SOIL-QT1-2024-0	Solid	1-Methylnaphthalene	150.000	J	41	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,2-oxybis(1-Chloropropane)	150.000	J	27	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,3,4,6-Tetrachlorophenol	130.000	J	37	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4,5-Trichlorophenol	130.000	J	42	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4,6-Trichlorophenol	130.000	J	43	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dichlorophenol	150.000	J	39	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dimethylphenol	110.000	J	28	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dinitrophenol	140.000	J	120	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dinitrotoluene	120.000	J	27	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,6-Dinitrotoluene	120.000	J	21	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Chloronaphthalene	150.000	J	45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Chlorophenol	140.000	J	28	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Methylnaphthalene	150.000	J	37	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Methylphenol	130.000	J	30	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Nitroaniline	120.000	J	22	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Nitrophenol	140.000	J	32	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	3,3-Dichlorobenzidine	150.000	J	23	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	3-Nitroaniline	120.000	J	20	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4,6-Dinitro-2-methylphenol	150.000	J	16	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Bromophenyl-phenylether	150.000	J	45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Chloro-3-methylphenol	130.000	J	28	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Chloroaniline	140.000	J	43	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Chlorophenyl-phenylether	150.000	J	47	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Methylphenol	130.000	J	32	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Nitroaniline	130.000	J	42	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Nitrophenol	150.000	J	41	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Acenaphthene	150.000	J	41	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Acenaphthylene	140.000	J	43	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Acetophenone	140.000	J	38	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Anthracene	140.000	J	43	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Atrazine	170.000	J	39	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzaldehyde	200.000	J	75	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(a)anthracene	130.000	J	39	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(a)pyrene	140.000	J	42	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(b)fluoranthene	140.000	J	42	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(g,h,i)perylene	130.000	J	35	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(k)fluoranthene	140.000	J	45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Bis(2-Chloroethoxy)methane	140.000	J	38	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Bis(2-Chloroethyl)ether	140.000	J	34	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Bis(2-ethylhexyl)phthalate	110.000	J	44	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Butylbenzylphthalate	100.000	J	32	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Caprolactam	130.000	J	120	330	ug/Kg

Hit Summary Sheet
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SDG No.: BM030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Carbazole	140.000	J	45	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Chrysene	140.000	J	45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Di-n-butylphthalate	120.000	J	42	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Di-n-octyl phthalate	110.000	J	34	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Dibenzo(a,h)anthracene	130.000	J	37	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Dibenzofuran	150.000	J	46	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Diethylphthalate	130.000	J	60	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Dimethylphthalate	140.000	J	42	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Fluoranthene	140.000	J	44	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Fluorene	150.000	J	45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachlorobenzene	150.000	J	50	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachlorobutadiene	160.000	J	34	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachlorocyclopentadiene	120.000	J	79	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachloroethane	140.000	J	23	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Indeno(1,2,3-cd)pyrene	130.000	J	37	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Isophorone	140.000	J	34	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	N-Nitroso-di-n-propylamine	140.000	J	29	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	N-Nitrosodiphenylamine	140.000	J	42	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Naphthalene	150.000	J	34	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Nitrobenzene	150.000	J	36	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pentachlorobenzene	170.000		51	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pentachlorophenol	150.000	J	87	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Phenanthrene	140.000	J	44	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Phenol	140.000	J	35	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pyrene	140.000	J	44	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pyridine	130.000	J	43	330	ug/Kg
Total Svoc :				9,927.00				
Total Concentration:				9,927.00				
Client ID :	MDL-MED-SOIL-QT1-2024-02							
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Total Alkanes	*	0.000	1300	4700	ug/Kg
Total Tics :				0.00				
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,1-Biphenyl	4,200.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,2,3,4-Tetrachlorobenzene	4,200.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,2,4,5-Tetrachlorobenzene	4,300.000	J	1400	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,4-Dioxane	1,000.000	J	370	1900	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1-Methylnaphthalene	4,400.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,2-oxybis(1-Chloropropane)	4,300.000	J	730	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,3,4,6-Tetrachlorophenol	3,700.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4,5-Trichlorophenol	3,900.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4,6-Trichlorophenol	3,700.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dichlorophenol	4,200.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dimethylphenol	3,000.000	J	800	4700	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BM030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dinitrophenol	3,900.000	J	2800	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dinitrotoluene	3,600.000	J	830	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,6-Dinitrotoluene	3,500.000	J	700	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Chloronaphthalene	4,100.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Chlorophenol	4,000.000	J	830	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Methylnaphthalene	4,200.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Methylphenol	3,600.000	J	900	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Nitroaniline	3,600.000	J	640	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Nitrophenol	4,100.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	3,3-Dichlorobenzidine	4,200.000	J	700	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	3-Nitroaniline	3,500.000	J	640	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4,6-Dinitro-2-methylphenol	4,300.000	J	450	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Bromophenyl-phenylether	4,100.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Chloro-3-methylphenol	3,700.000	J	840	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Chloroaniline	3,900.000	J	1200	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Chlorophenyl-phenylether	4,400.000	J	1500	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Methylphenol	3,700.000	J	820	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Nitroaniline	3,800.000	J	1000	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Nitrophenol	4,200.000	J	1200	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Acenaphthene	4,200.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Acenaphthylene	4,100.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Acetophenone	4,100.000	J	1000	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Anthracene	3,900.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Atrazine	4,800.000	J	880	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzaldehyde	5,600.000	J	2100	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(a)anthracene	3,800.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(a)pyrene	4,000.000	J	1400	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(b)fluoranthene	3,900.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(g,h,i)perylene	3,600.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(k)fluoranthene	4,200.000	J	1500	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Bis(2-Chloroethoxy)methane	4,000.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Bis(2-Chloroethyl)ether	4,000.000	J	870	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Bis(2-ethylhexyl)phthalate	3,100.000	J	1400	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Butylbenzylphthalate	3,000.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Caprolactam	3,700.000	J	2500	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Carbazole	3,800.000	J	1400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Chrysene	3,800.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Di-n-butylphthalate	3,400.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Di-n-octyl phthalate	3,300.000	J	1000	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Dibenzo(a,h)anthracene	3,700.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Dibenzofuran	4,200.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Diethylphthalate	3,800.000	J	1700	4700	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM030824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Dimethylphthalate	4,100.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Fluoranthene	4,000.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Fluorene	4,300.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachlorobenzene	4,300.000	J	1400	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachlorobutadiene	4,400.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachlorocyclopentadiene	3,400.000	J	2300	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachloroethane	4,000.000	J	550	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Indeno(1,2,3-cd)pyrene	3,700.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Isophorone	3,900.000	J	860	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	N-Nitroso-di-n-propylamine	4,100.000	J	720	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	N-Nitrosodiphenylamine	4,000.000	J	1200	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Naphthalene	4,200.000	J	920	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Nitrobenzene	4,400.000	J	900	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pentachlorobenzene	4,700.000		1500	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pentachlorophenol	4,400.000	J	2400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Phenanthrene	4,100.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Phenol	3,900.000	J	940	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pyrene	4,200.000	J	1300	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pyridine	3,800.000	J	1200	9400	ug/Kg
Total Svoc :				283,200.00				
Total Concentration:				283,200.00				

Client ID : BH7G7

P1703-01	BH7G7	Water	Total Alkanes	*	0.000	1.7	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.: BM030524

SAS No.: BM030524

SDG No.: BM030524

Instrument ID:

Calibration Date(s): 3/5/2024 1:

Calibration Time(s): 14:03

LAB FILE ID:		RRFAL1 = BM044500.D			RRFAL2 = BM044501.D		RRFAL3 = BM044502.D	
		RRFAL4 = BM044503.D			RRFAL5 = BM044504.D		RRFAL6 = BM044505.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.590	0.599	0.586	0.645	0.632		0.610	4.3
Benzaldehyde		0.974	1.047	1.029	0.784	0.644	0.896	19.5
Pyridine		1.645	1.680	1.906	1.921	1.849	1.800	7.2
Hexachloroethane	0.591	0.621	0.615	0.686	0.680		0.638	6.6
Nitrobenzene	0.365	0.383	0.382	0.432	0.434		0.399	7.9
Isophorone	0.726	0.777	0.791	0.892	0.889		0.815	9.0
2-Nitrophenol	0.170	0.184	0.192	0.220	0.223		0.198	11.7
2,4-Dimethylphenol	0.316	0.342	0.343	0.402	0.397		0.360	10.5
Bis(2-Chloroethoxy)methane	0.485	0.494	0.493	0.549	0.541		0.512	5.9
2,4-Dichlorophenol	0.274	0.293	0.299	0.339	0.337		0.308	9.3
Naphthalene	1.073	1.096	1.092	1.216	1.186		1.133	5.7
4-Chloroaniline		0.466	0.474	0.539	0.534	0.460	0.495	7.8
Hexachlorobutadiene	0.161	0.170	0.169	0.184	0.181		0.173	5.4
Phenol		1.872	1.919	2.231	2.277	2.194	2.099	9.0
Caprolactam		0.104	0.111	0.127	0.130	0.128	0.120	9.6
4-Chloro-3-methylphenol	0.311	0.335	0.348	0.396	0.399		0.358	10.8
1-Methylnaphthalene	0.691	0.724	0.719	0.799	0.783		0.743	6.1
2-Methylnaphthalene	0.691	0.732	0.731	0.812	0.800		0.753	6.8
Hexachlorocyclopentadiene		0.323	0.383	0.400	0.400	0.383	0.378	8.4
2,4,6-Trichlorophenol	0.352	0.370	0.378	0.449	0.446		0.399	11.3
2,4,5-Trichlorophenol	0.375	0.402	0.401	0.478	0.482		0.427	11.5
1,1-Biphenyl	1.519	1.557	1.500	1.711	1.654		1.588	5.7
2-Chloronaphthalene	1.160	1.217	1.188	1.354	1.313		1.246	6.7
2-Nitroaniline	0.332	0.352	0.366	0.446	0.460		0.391	14.8
Bis(2-Chloroethyl)ether		1.602	1.617	1.839	1.811	1.747	1.723	6.3
Dimethylphthalate	1.497	1.573	1.521	1.727	1.664		1.596	6.1
2,6-Dinitrotoluene	0.272	0.293	0.299	0.361	0.370		0.319	13.7
Acenaphthylene	1.936	2.058	2.003	2.288	2.171		2.091	6.7
3-Nitroaniline		0.289	0.326	0.374	0.373	0.360	0.344	10.7
Acenaphthene	1.305	1.354	1.308	1.479	1.428		1.375	5.6
2,4-Dinitrophenol		0.124	0.180	0.220	0.247	0.250	0.204	25.9
4-Nitrophenol		0.183	0.205	0.249	0.259	0.244	0.228	14.3
Dibenzofuran	1.770	1.836	1.751	1.960	1.827		1.829	4.5
2,4-Dinitrotoluene	0.394	0.428	0.444	0.522	0.514		0.460	12.1
Diethylphthalate	1.560	1.619	1.569	1.801	1.736		1.657	6.4
2-Chlorophenol	1.401	1.455	1.506	1.711	1.719		1.559	9.5

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.: BM030524

SAS No.: BM030524

SDG No.: BM030524

Instrument ID: _____

Calibration Date(s): 3/5/2024 1: _____

Calibration Time(s): 14:03 _____

LAB FILE ID:		RRFAL1 = BM044500.D		RRFAL2 = BM044501.D		RRFAL3 = BM044502.D		
		RRFAL4 = BM044503.D		RRFAL5 = BM044504.D		RRFAL6 = BM044505.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.485	1.528	1.440	1.598	1.427		1.496	4.7
4-Chlorophenyl-phenylether	0.696	0.710	0.675	0.738	0.652		0.694	4.7
4-Nitroaniline		0.303	0.335	0.372	0.339	0.296	0.329	9.2
4,6-Dinitro-2-methylphenol		0.111	0.130	0.155	0.156	0.141	0.139	13.5
N-Nitrosodiphenylamine	0.547	0.589	0.587	0.654	0.635		0.602	7.0
1,2,4,5-Tetrachlorobenzene	0.529	0.552	0.537	0.617	0.611		0.569	7.4
4-Bromophenyl-phenylether	0.187	0.190	0.192	0.216	0.215		0.200	7.0
Hexachlorobenzene	0.215	0.221	0.219	0.246	0.239		0.228	6.0
Atrazine		0.197	0.197	0.216	0.200	0.174	0.197	7.6
Pentachlorophenol		0.127	0.139	0.167	0.168	0.151	0.150	11.8
2-Methylphenol		1.401	1.468	1.710	1.719	1.665	1.593	9.3
Phenanthrene	1.067	1.110	1.101	1.224	1.171		1.135	5.5
Pentachlorobenzene	0.242	0.251	0.250	0.279	0.269		0.258	5.9
Anthracene	1.074	1.131	1.121	1.240	1.171		1.147	5.4
1,2,3,4-Tetrachlorobenzene	0.243	0.255	0.257	0.290	0.291		0.267	8.1
Carbazole		1.064	1.065	1.187	1.129	0.947	1.078	8.3
Di-n-butylphthalate	1.401	1.393	1.399	1.565	1.493		1.450	5.3
Fluoranthene	1.369	1.332	1.379	1.594	1.629		1.461	9.5
Pyrene	1.452	1.436	1.441	1.647	1.628		1.521	7.0
Butylbenzylphthalate	0.691	0.679	0.692	0.829	0.848		0.748	11.1
3,3-Dichlorobenzidine		0.463	0.459	0.501	0.419	0.321	0.433	15.9
2,2-oxybis (1-Chloropropane)		2.115	2.154	2.443	2.368	2.297	2.276	6.1
Benzo (a) anthracene	1.403	1.469	1.467	1.615	1.555		1.502	5.5
Chrysene	1.298	1.376	1.354	1.498	1.427		1.391	5.5
Bis (2-ethylhexyl) phthalate	1.123	1.042	1.063	1.168	1.056		1.090	4.9
Di-n-octyl phthalate		1.523	1.662	1.938	2.017	1.810	1.790	11.2
Benzo (b) fluoranthene	1.240	1.295	1.267	1.439	1.450		1.338	7.4
Benzo (k) fluoranthene	1.211	1.207	1.321	1.430	1.385		1.311	7.7
Benzo (a) pyrene	1.163	1.205	1.213	1.363	1.315		1.252	6.7
Indeno (1,2,3-cd) pyrene	1.313	1.397	1.398	1.531	1.382		1.404	5.6
Dibenzo (a,h) anthracene	1.092	1.160	1.170	1.287	1.145		1.171	6.1
Benzo (g,h,i) perylene	1.054	1.117	1.117	1.209	1.106		1.121	5.0
Acetophenone		2.368	2.457	2.761	2.606	2.330	2.505	7.1
2,3,4,6-Tetrachlorophenol	0.325	0.332	0.332	0.390	0.390		0.354	9.3
1,4-Dioxane-d8	0.576	0.589	0.548	0.625	0.610		0.590	5.0
Pyridine-d5		1.519	1.613	1.859	1.869	1.818	1.736	9.2

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.: BM030524

SAS No.: BM030524

SDG No.: BM030524

Instrument ID: _____

Calibration Date(s): 3/5/2024 1: _____

Calibration Time(s): 14:03 _____

LAB FILE ID:		RRFAL1 = BM044500.D			RRFAL2 = BM044501.D		RRFAL3 = BM044502.D	
		RRFAL4 = BM044503.D			RRFAL5 = BM044504.D		RRFAL6 = BM044505.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.796	1.883	2.176	2.219	2.207	2.056	9.8
Bis-(2-Chloroethyl)ether-d8		1.173	1.208	1.358	1.330	1.281	1.270	6.2
2-Chlorophenol-d4	1.334	1.404	1.447	1.675	1.696		1.511	10.9
4-Methylphenol-d8		1.402	1.474	1.738	1.754	1.707	1.615	10.2
Nitrobenzene-d5	0.145	0.157	0.162	0.188	0.190		0.168	11.8
2-Nitrophenol-d4	0.150	0.166	0.175	0.205	0.212		0.182	14.6
2,4-Dichlorophenol-d3	0.269	0.288	0.302	0.341	0.344		0.309	10.6
4-Chloroaniline-d4		0.485	0.487	0.557	0.550	0.487	0.513	7.2
4-Methylphenol		1.538	1.599	1.868	1.865	1.798	1.734	8.9
Dimethylphthalate-d6	1.473	1.526	1.490	1.703	1.652		1.569	6.5
Acenaphthylene-d8	1.625	1.717	1.722	1.976	1.932		1.794	8.4
4-Nitrophenol-d4		0.259	0.295	0.361	0.370	0.341	0.325	14.4
Fluorene-d10	1.251	1.300	1.249	1.430	1.362		1.318	5.9
4,6-Dinitro-2-methylphenol-		0.102	0.119	0.144	0.148	0.136	0.130	14.8
Anthracene-d10	0.890	0.931	0.929	1.041	0.989		0.956	6.2
Pyrene-d10	1.152	1.136	1.170	1.337	1.338		1.227	8.3
Benzo(a)pyrene-d12	0.966	0.999	1.013	1.140	1.138		1.051	7.8
N-Nitroso-di-n-propylamine	1.152	1.245	1.262	1.448	1.364		1.294	8.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG NO.: BM030824EPA Sample No.: SSTD020022 Date Analyzed: Mar 8 2024 12:00AMLab File ID: BM044502.D Time Analyzed: 09:41Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	270713	7.734	1.24463e+01	10.52	775776	14.37
UPPER LIMIT	541426	8.234	2489260	11.016	1551552	14.868
LOWER LIMIT	135356.5	7.234	622315	10.016	387888	13.868
EPA SAMPLE NO.						
01 SBLK439	225220	7.72	1.00111e	10.50	643718	14.36
02 MDL-WATER-QT1-2024-02	270888	7.72	1.2121e+	10.50	750701	14.36
03 MDL-SOIL-QT1-2024-02	282876	7.72	1.27263e	10.50	789846	14.36
04 MDL-MED-SOIL-QT1-2024-02	280273	7.72	1.28111e	10.50	795225	14.36
05 SBLK472	230615	7.72	1.0207e+	10.50	655545	14.36
06 SBLK474	224955	7.72	1.00122e	10.50	646597	14.36
07 SBLK505	280340	7.72	1.24877e	10.50	810274	14.36
08 BH7G7	242123	7.72	1.08889e	10.50	707826	14.36
09 SLCS505	265672	7.72	1.19494e	10.50	734007	14.36

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.: BM030824 SAS No.: BM030824 SDG NO.: BM030824

EPA Sample No.: SSTD020068 Date Analyzed: Mar 8 2024 12:00AM

Lab File ID: BM044557.D Time Analyzed: 09:41

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	280023	7.722	1.26025e+01	10.50	788578	14.36
UPPER LIMIT	560046	8.222	2520500	11.004	1577156	14.863
LOWER LIMIT	140011.5	7.222	630125	10.004	394289	13.863
EPA SAMPLE NO.						
01 SBLK439	225220	7.72	1.00111e	10.50	643718	14.36
02 MDL-WATER-QT1-2024-02	270888	7.72	1.2121e+	10.50	750701	14.36
03 MDL-SOIL-QT1-2024-02	282876	7.72	1.27263e	10.50	789846	14.36
04 MDL-MED-SOIL-QT1-2024-02	280273	7.72	1.28111e	10.50	795225	14.36
05 SBLK472	230615	7.72	1.0207e+	10.50	655545	14.36
06 SBLK474	224955	7.72	1.00122e	10.50	646597	14.36

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: CHEMTECHLab Code: CHEM Case No.: BM030824 SAS No.: BM030824 SDG NO.: BM030824EPA Sample No.: SSTD020069 Date Analyzed: Mar 8 2024 12:00AMLab File ID: BM044564.D Time Analyzed: 15:12Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	311310	7.722	1.41412e+04	10.50	883241	14.36
UPPER LIMIT	622620	8.222	2828240	11.004	1766482	14.863
LOWER LIMIT	155655	7.222	707060	10.004	441620.5	13.863
EPA SAMPLE NO.						
01 SBLK505	280340	7.72	1.24877e	10.50	810274	14.36
02 BH7G7	242123	7.72	1.08889e	10.50	707826	14.36
03 SLCS505	265672	7.72	1.19494e	10.50	734007	14.36

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.: BM030824 SAS No.: BM030824 SDG NO.: BM030824

EPA Sample No.: SSTD020022 Date Analyzed: Mar 8 2024 12:00AM

Lab File ID: BM044502.D Time Analyzed: 09:41

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.59626e+0	17.121	1.4675e+0	21.309	1.6044e+00	23.562
UPPER LIMIT	3192520	17.621	2935000	21.809	3208800	24.062
LOWER LIMIT	798130	16.621	733750	20.809	802200	23.062
EPA SAMPLE NO.						
01 SBLK439	1.32747	17.12	1.20796e+	21.31	1.25241e+	23.57
02 MDL-WATER-QT1-2024-02	1.60379	17.12	1.43549e+	21.31	1.45344e+	23.57
03 MDL-SOIL-QT1-2024-02	1.67096	17.12	1.50759e+	21.31	1.51061e+	23.57
04 MDL-MED-SOIL-QT1-2024-02	1.68606	17.12	1.46104e+	21.31	1.39985e+	23.56
05 SBLK472	1.35409	17.12	1.21736e+	21.31	1.27971e+	23.57
06 SBLK474	1.31921	17.12	1.10883e+	21.31	1.12092e+	23.56
07 SBLK505	1.63648	17.12	1.4143e+0	21.31	1.43063e+	23.57
08 BH7G7	1.43827	17.12	1.21744e+	21.31	1.18671e+	23.56
09 SLCS505	1.48328	17.12	1.23239e+	21.32	1.19007e+	23.57

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.: BM030824 SAS No.: BM030824 SDG NO.: BM030824

EPA Sample No.: SSTD020068 Date Analyzed: Mar 8 2024 12:00AM

Lab File ID: BM044557.D Time Analyzed: 09:41

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.60735e+04	17.115	1.40913e+	21.315	1.38478e+04	23.568
UPPER LIMIT	3214700	17.615	2818260	21.815	2769560	24.068
LOWER LIMIT	803675	16.615	704565	20.815	692390	23.068
EPA SAMPLE NO.						
01 SBLK439	1.32747	17.12	1.20796e+	21.31	1.25241e+	23.57
02 MDL-WATER-QT1-2024-02	1.60379	17.12	1.43549e+	21.31	1.45344e+	23.57
03 MDL-SOIL-QT1-2024-02	1.67096	17.12	1.50759e+	21.31	1.51061e+	23.57
04 MDL-MED-SOIL-QT1-2024-02	1.68606	17.12	1.46104e+	21.31	1.39985e+	23.56
05 SBLK472	1.35409	17.12	1.21736e+	21.31	1.27971e+	23.57
06 SBLK474	1.31921	17.12	1.10883e+	21.31	1.12092e+	23.56

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.: BM030824 SAS No.: BM030824 SDG NO.: BM030824

EPA Sample No.: SSTD020069 Date Analyzed: Mar 8 2024 12:00AM

Lab File ID: BM044564.D Time Analyzed: 15:12

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.78682e+04	17.121	1.55897e+	21.315	1.59166e+04	23.574
UPPER LIMIT	3573640	17.621	3117940	21.815	3183320	24.074
LOWER LIMIT	893410	16.621	779485	20.815	795830	23.074
EPA SAMPLE NO.						
01 SBLK505	1.63648	17.12	1.4143e+0	21.31	1.43063e+	23.57
02 BH7G7	1.43827	17.12	1.21744e+	21.31	1.18671e+	23.56
03 SLCS505	1.48328	17.12	1.23239e+	21.32	1.19007e+	23.57

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.: BM030824

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159505BS	1,4-Dioxane	16	13	ug/L	81				0	0		
	Benzaldehyde	40	40	ug/L	100				0	0		
	Pyridine	40	32	ug/L	80				0	0		
	Phenol	40	38	ug/L	95				0	0		
	Bis(2-chloroethyl)ether	40	37	ug/L	93				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	40	ug/L	100				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	39	ug/L	98				0	0		
	Hexachloroethane	40	37	ug/L	93				0	0		
	Nitrobenzene	40	40	ug/L	100				0	0		
	Isophorone	40	40	ug/L	100				0	0		
	2-Nitrophenol	40	40	ug/L	100				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	41	ug/L	103				0	0		
	Naphthalene	40	39	ug/L	98				0	0		
	4-Chloroaniline	40	29	ug/L	73				0	0		
	Hexachlorobutadiene	40	40	ug/L	100				0	0		
	Caprolactam	40	36	ug/L	90				0	0		
	4-Chloro-3-methylphenol	40	40	ug/L	100				0	0		
	1-Methylnaphthalene	40	39	ug/L	98				0	0		
	2-Methylnaphthalene	40	39	ug/L	98				0	0		
	Hexachlorocyclopentadiene	40	37	ug/L	93				0	0		
	2,4,6-Trichlorophenol	40	38	ug/L	95				0	0		
	2,4,5-Trichlorophenol	40	39	ug/L	98				0	0		
	1,1'-Biphenyl	40	38	ug/L	95				0	0		
	2-Chloronaphthalene	40	38	ug/L	95				0	0		
	2-Nitroaniline	40	41	ug/L	103				0	0		
	Dimethylphthalate	40	38	ug/L	95				0	0		
	2,6-Dinitrotoluene	40	40	ug/L	100				0	0		
	Acenaphthylene	40	38	ug/L	95				0	0		
	3-Nitroaniline	40	41	ug/L	103				0	0		
	Acenaphthene	40	38	ug/L	95				0	0		
	2,4-Dinitrophenol	40	37	ug/L	93				0	0		
	4-Nitrophenol	40	39	ug/L	98				0	0		
	Dibenzofuran	40	38	ug/L	95				0	0		
	2,4-Dinitrotoluene	40	40	ug/L	100				0	0		
	Diethylphthalate	40	38	ug/L	95				0	0		
	Fluorene	40	38	ug/L	95				0	0		
	4-Chlorophenyl-phenylether	40	39	ug/L	98				0	0		
	4-Nitroaniline	40	46	ug/L	115				0	0		
	4,6-Dinitro-2-methylphenol	40	40	ug/L	100				0	0		
	N-Nitrosodiphenylamine	40	40	ug/L	100				0	0		



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

SDG No.: BM030824

Client:

Analytical Method: SFAM_SVOC

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159505BS	1,2,4,5-Tetrachlorobenzene	40	39	ug/L	98				0	0	
	4-Bromophenyl-phenylether	40	42	ug/L	105				0	0	
	Hexachlorobenzene	40	43	ug/L	108				0	0	
	Atrazine	40	24	ug/L	60				0	0	
	Pentachlorophenol	40	38	ug/L	95				0	0	
	Phenanthrene	40	40	ug/L	100				0	0	
	Pentachlorobenzene	40	42	ug/L	105				0	0	
	Anthracene	40	39	ug/L	98				0	0	
	1,2,3,4-Tetrachlorobenzene	40	42	ug/L	105				0	0	
	Carbazole	40	40	ug/L	100				0	0	
	Di-n-butylphthalate	40	39	ug/L	98				0	0	
	Fluoranthene	40	43	ug/L	108				0	0	
	Pyrene	40	42	ug/L	105				0	0	
	Butylbenzylphthalate	40	41	ug/L	103				0	0	
	3,3'-Dichlorobenzidine	40	45	ug/L	113				0	0	
	Benzo(a)anthracene	40	40	ug/L	100				0	0	
	Chrysene	40	40	ug/L	100				0	0	
	Bis(2-ethylhexyl)phthalate	40	40	ug/L	100				0	0	
	Di-n-octylphthalate	40	44	ug/L	110				0	0	
	Benzo(b)fluoranthene	40	43	ug/L	108				0	0	
	Benzo(k)fluoranthene	40	42	ug/L	105				0	0	
	Benzo(a)pyrene	40	41	ug/L	103				0	0	
	Indeno(1,2,3-cd)pyrene	40	39	ug/L	98				0	0	
	Dibenzo(a,h)anthracene	40	40	ug/L	100				0	0	
	Benzo(g,h,i)perylene	40	38	ug/L	95				0	0	
	2,3,4,6-Tetrachlorophenol	40	37	ug/L	93				0	0	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK439

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM030824

SAS No.: BM030824 SDG NO.: BM030824

Lab File ID: BM044558.D

Lab Sample ID: PB159439BL

Instrument ID: BNA_M

Date Extracted: 03/05/2024

Matrix: (soil/water) Water

Date Analyzed: 03/08/2024

Level: (low/med) LOW

Time Analyzed: 09:41

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-WATER-QT1-2024-02	P1601-02	BM044559.D	03/08/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK472

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM030824SAS No.: BM030824 SDG NO.: BM030824Lab File ID: BM044562.DLab Sample ID: PB159472BLInstrument ID: BNA_MDate Extracted: 03/06/2024Matrix: (soil/water) SolidDate Analyzed: 03/08/2024Level: (low/med) LOWTime Analyzed: 12:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-SOIL-QT1-2024-02	P1601-04	BM044560.D	03/08/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK474

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM030824

SAS No.: BM030824 SDG NO.: BM030824

Lab File ID: BM044563.D

Lab Sample ID: PB159474BL

Instrument ID: BNA_M

Date Extracted: 03/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/08/2024

Level: (low/med) MED

Time Analyzed: 13:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-MED-SOIL-QT1-2024-02	P1601-06	BM044561.D	03/08/2024

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK505

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM030824SAS No.: BM030824 SDG NO.: BM030824Lab File ID: BM044565.DLab Sample ID: PB159505BLInstrument ID: BNA_MDate Extracted: 03/07/2024Matrix: (soil/water) WaterDate Analyzed: 03/08/2024Level: (low/med) LOWTime Analyzed: 15:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BH7G7	P1703-01	BM044566.D	03/08/2024
PB159505BS	PB159505BS	BM044567.D	03/08/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM030824

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-02	MDL-WATER-QT1	BM044559.D	1,4-Dioxane-d8	8	4.35	54		15	120
			Pyridine-d5	40	21.31	53		20	120
			Phenol-d5	40	20.58	51		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.40	54		25	120
			2-Chlorophenol-d4	40	21.14	53		20	130
			4-Methylphenol-d8	40	20.00	50		25	125
			Nitrobenzene-d5	40	22.50	56		20	125
			2-Nitrophenol-d4	40	22.30	56		20	130
			2,4-Dichlorophenol-d3	40	22.01	55		20	120
			4-Chloroaniline-d4	40	20.55	51		1	146
			Dimethylphthalate-d6	40	21.50	54		25	130
			Acenaphthylene-d8	40	21.93	55		10	130
			4-Nitrophenol-d4	40	20.03	50		10	150
			Fluorene-d10	40	22.64	57		25	125
			4,6-Dinitro-2-methylphenol-d2	40	18.70	47		10	130
			Anthracene-d10	40	20.90	52		25	130
			Pyrene-d10	40	21.81	55		15	130
			Benzo(a)pyrene-d12	40	22.18	55		20	130
PB159439BL	PB159439BL	BM044558.D	Pyridine-d5	40	29.33	73		20	120
			1,4-Dioxane-d8	8	5.87	73		15	120
			Phenol-d5	40	28.93	72		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.15	78		25	120
			2-Chlorophenol-d4	40	30.23	76		20	130
			4-Methylphenol-d8	40	28.90	72		25	125
			Nitrobenzene-d5	40	32.03	80		20	125
			2-Nitrophenol-d4	40	32.13	80		20	130
			2,4-Dichlorophenol-d3	40	31.06	78		20	120
			4-Chloroaniline-d4	40	30.76	77		1	146
			Dimethylphthalate-d6	40	30.80	77		25	130
			Acenaphthylene-d8	40	30.67	77		10	130
			4-Nitrophenol-d4	40	27.23	68		10	150
			Fluorene-d10	40	31.67	79		25	125
			4,6-Dinitro-2-methylphenol-d2	40	26.16	65		10	130
			Anthracene-d10	40	33.15	83		25	130
			Pyrene-d10	40	32.30	81		15	130
			Benzo(a)pyrene-d12	40	33.17	83		20	130



Surrogate Summary

SW-846

SDG No.: BM030824

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-04	MDL-SOIL-QT1-2(BM044560.D		1,4-Dioxane-d8	8	4.48	56		15	120
			Pyridine-d5	40	21.99	55		20	120
			Phenol-d5	40	20.99	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.73	54		10	150
			2-Chlorophenol-d4	40	21.61	54		15	120
			4-Methylphenol-d8	40	20.19	50		10	140
			Nitrobenzene-d5	40	22.58	56		10	135
			2-Nitrophenol-d4	40	22.51	56		10	120
			2,4-Dichlorophenol-d3	40	22.12	55		10	140
			4-Chloroaniline-d4	40	20.74	52		1	145
			Dimethylphthalate-d6	40	21.28	53		10	145
			Acenaphthylene-d8	40	21.89	55		15	120
			4-Nitrophenol-d4	40	19.96	50		10	150
			Fluorene-d10	40	22.22	56		20	140
			4,6-Dinitro-2-methylphenol-d2	40	18.73	47		10	130
			Anthracene-d10	40	20.83	52		10	150
			Pyrene-d10	40	21.49	54		10	130
			Benzo(a)pyrene-d12	40	22.09	55		10	140
PB159472BL	PB159472BL	BM044562.D	1,4-Dioxane-d8	8	5.64	70		15	120
			Pyridine-d5	40	28.72	72		20	120
			Phenol-d5	40	28.29	71		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.77	77		10	150
			2-Chlorophenol-d4	40	29.30	73		15	120
			4-Methylphenol-d8	40	28.46	71		10	140
			Nitrobenzene-d5	40	31.89	80		10	135
			2-Nitrophenol-d4	40	31.90	80		10	120
			2,4-Dichlorophenol-d3	40	30.71	77		10	140
			4-Chloroaniline-d4	40	30.75	77		1	145
			Dimethylphthalate-d6	40	31.31	78		10	145
			Acenaphthylene-d8	40	31.20	78		15	120
			4-Nitrophenol-d4	40	27.83	70		10	150
			Fluorene-d10	40	32.19	80		20	140
			4,6-Dinitro-2-methylphenol-d2	40	25.99	65		10	130
			Anthracene-d10	40	32.99	82		10	150
			Pyrene-d10	40	32.92	82		10	130
			Benzo(a)pyrene-d12	40	33.38	83		10	140

Surrogate Summary

SW-846

SDG No.: BM030824

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-06	MDL-MED-SOIL-(BM044561.D		Pyridine-d5	40	22.02	55		20	120
			1,4-Dioxane-d8	8	4.37	55		15	120
			Phenol-d5	40	20.86	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.92	55		10	150
			2-Chlorophenol-d4	40	21.67	54		15	120
			4-Methylphenol-d8	40	20.45	51		10	140
			Nitrobenzene-d5	40	22.35	56		10	135
			2-Nitrophenol-d4	40	22.38	56		10	120
			2,4-Dichlorophenol-d3	40	21.88	55		10	140
			4-Chloroaniline-d4	40	20.82	52		1	145
			Dimethylphthalate-d6	40	21.73	54		10	145
			Acenaphthylene-d8	40	22.01	55		15	120
			4-Nitrophenol-d4	40	20.12	50		10	150
			Fluorene-d10	40	22.66	57		20	140
			4,6-Dinitro-2-methylphenol-d2	40	18.92	47		10	130
			Anthracene-d10	40	20.90	52		10	150
			Pyrene-d10	40	22.16	55		10	130
			Benzo(a)pyrene-d12	40	22.13	55		10	140
PB159474BL	PB159474BL	BM044563.D	1,4-Dioxane-d8	8	5.49	69		15	120
			Pyridine-d5	40	29.63	74		20	120
			Phenol-d5	40	29.19	73		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.62	79		10	150
			2-Chlorophenol-d4	40	30.67	77		15	120
			4-Methylphenol-d8	40	29.34	73		10	140
			Nitrobenzene-d5	40	32.79	82		10	135
			2-Nitrophenol-d4	40	32.95	82		10	120
			2,4-Dichlorophenol-d3	40	31.78	79		10	140
			4-Chloroaniline-d4	40	31.77	79		1	145
			Dimethylphthalate-d6	40	31.94	80		10	145
			Acenaphthylene-d8	40	31.66	79		15	120
			4-Nitrophenol-d4	40	27.42	69		10	150
			Fluorene-d10	40	32.81	82		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.63	67		10	130
			Anthracene-d10	40	33.79	84		10	150
			Pyrene-d10	40	35.53	89		10	130
			Benzo(a)pyrene-d12	40	34.09	85		10	140

Surrogate Summary

SW-846

SDG No.: BM030824

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1703-01	BH7G7	BM044566.D	1,4-Dioxane-d8	8	4.68	58		15	120
			Pyridine-d5	40	10.86	27		20	120
			Phenol-d5	40	7.60	19		10	130
			Bis(2-Chloroethyl)ether-d8	40	37.09	93		25	120
			2-Chlorophenol-d4	40	27.35	68		20	130
			4-Methylphenol-d8	40	17.88	45		25	125
			Nitrobenzene-d5	40	38.97	97		20	125
			2-Nitrophenol-d4	40	37.80	95		20	130
			2,4-Dichlorophenol-d3	40	34.70	87		20	120
			4-Chloroaniline-d4	40	32.96	82		1	146
			Dimethylphthalate-d6	40	39.54	99		25	130
			Acenaphthylene-d8	40	39.37	98		10	130
			4-Nitrophenol-d4	40	6.11	15		10	150
			Fluorene-d10	40	41.11	103		25	125
			4,6-Dinitro-2-methylphenol-d2	40	36.18	90		10	130
			Anthracene-d10	40	43.33	108		25	130
			Pyrene-d10	40	44.79	112		15	130
			Benzo(a)pyrene-d12	40	43.39	108		20	130
PB159505BL	PB159505BL	BM044565.D	Pyridine-d5	40	24.87	62		20	120
			1,4-Dioxane-d8	8	4.87	61		15	120
			Phenol-d5	40	24.06	60		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.17	65		25	120
			2-Chlorophenol-d4	40	25.43	64		20	130
			4-Methylphenol-d8	40	24.33	61		25	125
			Nitrobenzene-d5	40	26.97	67		20	125
			2-Nitrophenol-d4	40	27.55	69		20	130
			2,4-Dichlorophenol-d3	40	25.92	65		20	120
			4-Chloroaniline-d4	40	25.95	65		1	146
			Dimethylphthalate-d6	40	26.20	65		25	130
			Acenaphthylene-d8	40	26.03	65		10	130
			4-Nitrophenol-d4	40	22.53	56		10	150
			Fluorene-d10	40	26.84	67		25	125
			4,6-Dinitro-2-methylphenol-d2	40	22.27	56		10	130
			Anthracene-d10	40	28.41	71		25	130
			Pyrene-d10	40	29.09	73		15	130
			Benzo(a)pyrene-d12	40	28.12	70		20	130
PB159505BS	PB159505BS	BM044567.D	1,4-Dioxane-d8	8	7.60	95		15	120
			Pyridine-d5	40	39.32	98		20	120
			Phenol-d5	40	43.18	108		10	130
			Bis(2-Chloroethyl)ether-d8	40	43.87	110		25	120
			2-Chlorophenol-d4	40	44.54	111		20	130
			4-Methylphenol-d8	40	43.02	108		25	125
			Nitrobenzene-d5	40	46.36	116		20	125
			2-Nitrophenol-d4	40	47.86	120		20	130
			2,4-Dichlorophenol-d3	40	47.74	119		20	120
			4-Chloroaniline-d4	40	42.49	106		1	146
			Dimethylphthalate-d6	40	44.49	111		25	130
			Acenaphthylene-d8	40	45.45	114		10	130
			4-Nitrophenol-d4	40	45.84	115		10	150
			Fluorene-d10	40	44.80	112		25	125
			4,6-Dinitro-2-methylphenol-d2	40	48.20	120		10	130



Surrogate Summary
SW-846

SDG No.: BM030824

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159505BS	PB159505BS	BM044567.D	Anthracene-d10	40	46.36	116		25	130
			Pyrene-d10	40	49.54	124		15	130
			Benzo(a)pyrene-d12	40	49.11	123		20	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM030824Lab Code: CHEMSAS No.: BM030824 SDG NO.: BM030824Lab File ID: BM044556.DDFTPP Injection Date: 03/08/2024Instrument ID: BNA_MDFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	40.6
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.2
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	23.2
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	73.4
443	15.0 - 24.0% of mass 442	14.4 (19.6) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020068	SSTDCCC020	BM044557.D	03/08/2024	08:55
SBLK439	PB159439BL	BM044558.D	03/08/2024	09:41
MDL-WATER-QT1-2024-02	P1601-02	BM044559.D	03/08/2024	10:20
MDL-SOIL-QT1-2024-02	P1601-04	BM044560.D	03/08/2024	10:55
MDL-MED-SOIL-QT1-2024-02	P1601-06	BM044561.D	03/08/2024	11:32
SBLK472	PB159472BL	BM044562.D	03/08/2024	12:36
SBLK474	PB159474BL	BM044563.D	03/08/2024	13:12
SSTD020069	SSTDCCC020	BM044564.D	03/08/2024	14:37
SBLK505	PB159505BL	BM044565.D	03/08/2024	15:12
BH7G7	P1703-01	BM044566.D	03/08/2024	15:48
SLCS505	PB159505BS	BM044567.D	03/08/2024	16:24
SSTD020070	SSTDCCC020EC	BM044568.D	03/08/2024	17:00