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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 09:16

Lab File ID: BG061257.D Init. Calib. Date(s):

EPA Sample No.: SSTD020491 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.382	0.479	0.010	25.4264	40.0
1,4-Dioxane	0.429	0.479	0.010	25.4264	40.0
Benzaldehyde	0.816	0.905	0.010	10.8644	40.0
Benzaldehyde	0.859	0.905	0.010	10.8644	40.0
Pyridine	1.187	1.314	0.010	10.7056	40.0
Pyridine	1.258	1.314	0.010	10.7056	40.0
Phenol	1.594	1.489	0.080	-6.5834	20.0
Phenol	1.673	1.489	0.080	-6.5834	20.0
Bis(2-Chloroethyl)ether	1.197	1.160	0.100	-3.1354	20.0
Bis(2-Chloroethyl)ether	1.224	1.160	0.100	-3.1354	20.0
2-Chlorophenol	1.257	1.187	0.200	-5.6115	20.0
2-Chlorophenol	1.285	1.187	0.200	-5.6115	20.0
2-Methylphenol	1.217	1.299	0.010	6.7169	20.0
2-Methylphenol	1.297	1.299	0.010	6.7169	20.0
2,2-oxybis(1-Chloropropane)	3.094	3.461	0.010	11.8503	40.0
2,2-oxybis(1-Chloropropane)	3.306	3.461	0.010	11.8503	40.0
Acetophenone	2.191	2.389	0.060	9.0388	20.0
Acetophenone	2.390	2.389	0.060	9.0388	20.0
4-Methylphenol	1.367	1.513	0.010	10.6377	20.0
4-Methylphenol	1.437	1.513	0.010	10.6377	20.0
N-Nitroso-di-n-propylamine	1.185	1.329	0.050	12.1783	30.0
N-Nitroso-di-n-propylamine	1.314	1.329	0.050	12.1783	30.0
Hexachloroethane	0.554	0.588	0.100	6.097	20.0
Hexachloroethane	0.572	0.588	0.100	6.097	20.0
Nitrobenzene	0.408	0.467	0.050	14.5923	25.0
Nitrobenzene	0.422	0.467	0.050	14.5923	25.0
Isophorone	0.809	0.912	0.050	12.7209	25.0
Isophorone	0.859	0.912	0.050	12.7209	25.0
2-Nitrophenol	0.190	0.207	0.050	8.7761	25.0
2-Nitrophenol	0.196	0.207	0.050	8.7761	25.0
2,4-Dimethylphenol	0.391	0.401	0.050	3.5678	25.0
2,4-Dimethylphenol	0.388	0.401	0.050	3.5678	25.0
Bis(2-Chloroethoxy)methane	0.424	0.453	0.050	6.8427	20.0
Bis(2-Chloroethoxy)methane	0.431	0.453	0.050	6.8427	20.0
2,4-Dichlorophenol	0.332	0.328	0.060	1.4746	20.0
2,4-Dichlorophenol	0.324	0.328	0.060	1.4746	20.0
Naphthalene	1.056	1.035	0.200	-1.9092	20.0
Naphthalene	1.056	1.035	0.200	-1.9092	20.0
4-Chloroaniline	0.437	0.455	0.010	4.0687	40.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 09:16

Lab File ID: BG061257.D Init. Calib. Date(s):

EPA Sample No.: SSTD020491 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
4-Chloroaniline	0.457	0.455	0.010	4.0687	40.0
Hexachlorobutadiene	0.337	0.316	0.040	-0.033	30.0
Hexachlorobutadiene	0.316	0.316	0.040	-0.033	30.0
Caprolactam	0.107	0.128	0.010	19.9585	40.0
Caprolactam	0.124	0.128	0.010	19.9585	40.0
4-Chloro-3-methylphenol	0.393	0.405	0.040	3.1818	25.0
4-Chloro-3-methylphenol	0.418	0.405	0.040	3.1818	25.0
1-Methylnaphthalene	0.755	0.773	0.100	2.404	20.0
1-Methylnaphthalene	0.786	0.773	0.100	2.404	20.0
2-Methylnaphthalene	0.753	0.756	0.100	0.3632	20.0
2-Methylnaphthalene	0.766	0.756	0.100	0.3632	20.0
Hexachlorocyclopentadiene	0.290	0.195	0.010	-32.5488	40.0
Hexachlorocyclopentadiene	0.298	0.195	0.010	-32.5488	40.0
2,4,6-Trichlorophenol	0.385	0.370	0.090	-0.5058	25.0
2,4,6-Trichlorophenol	0.372	0.370	0.090	-0.5058	25.0
2,4,5-Trichlorophenol	0.403	0.375	0.100	-4.3703	25.0
2,4,5-Trichlorophenol	0.392	0.375	0.100	-4.3703	25.0
1,1-Biphenyl	1.324	1.272	0.200	-1.6596	20.0
1,1-Biphenyl	1.293	1.272	0.200	-1.6596	20.0
2-Chloronaphthalene	1.054	1.013	0.300	-0.4287	20.0
2-Chloronaphthalene	1.018	1.013	0.300	-0.4287	20.0
2-Nitroaniline	0.409	0.424	0.050	3.6126	40.0
2-Nitroaniline	0.420	0.424	0.050	3.6126	40.0
Dimethylphthalate	1.512	1.576	0.300	4.2352	20.0
Dimethylphthalate	1.617	1.576	0.300	4.2352	20.0
2,6-Dinitrotoluene	0.300	0.329	0.080	9.8364	30.0
2,6-Dinitrotoluene	0.317	0.329	0.080	9.8364	30.0
Acenaphthylene	1.770	1.766	0.400	-0.2292	20.0
Acenaphthylene	1.788	1.766	0.400	-0.2292	20.0
3-Nitroaniline	0.259	0.281	0.010	8.7762	40.0
3-Nitroaniline	0.275	0.281	0.010	8.7762	40.0
Acenaphthene	1.183	1.176	0.200	0.2691	20.0
Acenaphthene	1.173	1.176	0.200	0.2691	20.0
2,4-Dinitrophenol	0.138	0.149	0.010	8.0593	40.0
2,4-Dinitrophenol	0.168	0.149	0.010	8.0593	40.0
4-Nitrophenol	0.199	0.205	0.010	2.8186	40.0
4-Nitrophenol	0.225	0.205	0.010	2.8186	40.0
Dibenzofuran	1.642	1.645	0.300	0.1331	20.0
Dibenzofuran	1.677	1.645	0.300	0.1331	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 09:16

Lab File ID: BG061257.D Init. Calib. Date(s):

EPA Sample No.: SSTD020491 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.446	0.480	0.070	7.6036	30.0
2,4-Dinitrotoluene	0.482	0.480	0.070	7.6036	30.0
Diethylphthalate	1.471	1.527	0.300	3.827	20.0
Diethylphthalate	1.597	1.527	0.300	3.827	20.0
Fluorene	1.400	1.400	0.200	-0.0074	20.0
Fluorene	1.451	1.400	0.200	-0.0074	20.0
4-Chlorophenyl-phenylether	0.839	0.812	0.100	-3.2729	20.0
4-Chlorophenyl-phenylether	0.851	0.812	0.100	-3.2729	20.0
4-Nitroaniline	0.263	0.293	0.010	11.7035	40.0
4-Nitroaniline	0.287	0.293	0.010	11.7035	40.0
4,6-Dinitro-2-methylphenol	0.121	0.120	0.010	-0.6987	40.0
4,6-Dinitro-2-methylphenol	0.127	0.120	0.010	-0.6987	40.0
N-Nitrosodiphenylamine	0.514	0.508	0.050	1.006	20.0
N-Nitrosodiphenylamine	0.503	0.508	0.050	1.006	20.0
1,2,4,5-Tetrachlorobenzene	0.709	0.648	0.100	-1.9106	20.0
1,2,4,5-Tetrachlorobenzene	0.660	0.648	0.100	-1.9106	20.0
4-Bromophenyl-phenylether	0.245	0.234	0.070	-1.1076	20.0
4-Bromophenyl-phenylether	0.237	0.234	0.070	-1.1076	20.0
Hexachlorobenzene	0.275	0.265	0.050	0.4191	25.0
Hexachlorobenzene	0.263	0.265	0.050	0.4191	25.0
Atrazine	0.198	0.200	0.010	0.8832	25.0
Atrazine	0.199	0.200	0.010	0.8832	25.0
Pentachlorophenol	0.082	0.076	0.010	-7.0673	40.0
Pentachlorophenol	0.092	0.076	0.010	-7.0673	40.0
Phenanthrene	0.967	0.985	0.200	1.8592	20.0
Phenanthrene	0.971	0.985	0.200	1.8592	20.0
Pentachlorobenzene	0.315	0.294	0.050	0.4317	20.0
Pentachlorobenzene	0.292	0.294	0.050	0.4317	20.0
Anthracene	0.998	1.015	0.200	1.7154	20.0
Anthracene	1.004	1.015	0.200	1.7154	20.0
1,2,3,4-Tetrachlorobenzene	0.299	0.267	0.050	0.8618	20.0
1,2,3,4-Tetrachlorobenzene	0.264	0.267	0.050	0.8618	20.0
Carbazole	0.804	0.840	0.050	4.4693	40.0
Carbazole	0.816	0.840	0.050	4.4693	40.0
Di-n-butylphthalate	0.996	1.036	0.500	4.0025	25.0
Di-n-butylphthalate	1.023	1.036	0.500	4.0025	25.0
Fluoranthene	1.267	1.239	0.400	0.5738	25.0
Fluoranthene	1.232	1.239	0.400	0.5738	25.0
Pyrene	1.293	1.307	0.400	2.2189	25.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 09:16

Lab File ID: BG061257.D Init. Calib. Date(s):

EPA Sample No.: SSTD020491 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Pyrene	1.279	1.307	0.400	2.2189	25.0
Butylbenzylphthalate	0.448	0.446	0.100	1.4304	40.0
Butylbenzylphthalate	0.439	0.446	0.100	1.4304	40.0
3,3-Dichlorobenzidine	0.424	0.450	0.010	6.2412	40.0
3,3-Dichlorobenzidine	0.425	0.450	0.010	6.2412	40.0
Benzo(a)anthracene	1.379	1.363	0.300	-1.1525	30.0
Benzo(a)anthracene	1.380	1.363	0.300	-1.1525	30.0
Chrysene	1.272	1.261	0.200	-0.7354	30.0
Chrysene	1.271	1.261	0.200	-0.7354	30.0
Bis(2-ethylhexyl)phthalate	0.638	0.646	0.200	1.162	40.0
Bis(2-ethylhexyl)phthalate	0.650	0.646	0.200	1.162	40.0
Di-n-octyl phthalate	0.982	0.998	0.010	1.6585	40.0
Di-n-octyl phthalate	1.001	0.998	0.010	1.6585	40.0
Benzo(b)fluoranthene	1.185	1.200	0.200	1.2437	25.0
Benzo(b)fluoranthene	1.191	1.200	0.200	1.2437	25.0
Benzo(k)fluoranthene	1.191	1.181	0.200	-0.8772	25.0
Benzo(k)fluoranthene	1.209	1.181	0.200	-0.8772	25.0
Benzo(a)pyrene	1.129	1.127	0.200	-0.1822	20.0
Benzo(a)pyrene	1.131	1.127	0.200	-0.1822	20.0
Indeno(1,2,3-cd)pyrene	1.348	1.349	0.200	0.0668	25.0
Indeno(1,2,3-cd)pyrene	1.367	1.349	0.200	0.0668	25.0
Dibenzo(a,h)anthracene	1.120	1.120	0.200	0.0025	30.0
Dibenzo(a,h)anthracene	1.128	1.120	0.200	0.0025	30.0
Benzo(g,h,i)perylene	1.075	1.074	0.200	-0.1263	30.0
Benzo(g,h,i)perylene	1.088	1.074	0.200	-0.1263	30.0
2,3,4,6-Tetrachlorophenol	0.340	0.349	0.040	2.5536	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.349	0.040	2.5536	20.0
1,4-Dioxane-d8	0.341	0.412	0.010	21.0537	25.0
1,4-Dioxane-d8	0.357	0.412	0.010	21.0537	25.0
Pyridine-d5	1.164	1.325	0.010	13.7906	40.0
Pyridine-d5	1.271	1.325	0.010	13.7906	40.0
Phenol-d5	1.547	1.433	0.010	-7.3706	25.0
Phenol-d5	1.642	1.433	0.010	-7.3706	25.0
Bis-(2-Chloroethyl)ether-d8	0.976	0.967	0.050	-0.8897	25.0
Bis-(2-Chloroethyl)ether-d8	1.032	0.967	0.050	-0.8897	25.0
2-Chlorophenol-d4	1.149	1.105	0.200	-3.7741	20.0
2-Chlorophenol-d4	1.216	1.105	0.200	-3.7741	20.0
4-Methylphenol-d8	1.338	1.416	0.010	5.8206	20.0
4-Methylphenol-d8	1.400	1.416	0.010	5.8206	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 09:16

Lab File ID: BG061257.D Init. Calib. Date(s):

EPA Sample No.: SSTD020491 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.151	0.168	0.050	11.1952	20.0
Nitrobenzene-d5	0.154	0.168	0.050	11.1952	20.0
2-Nitrophenol-d4	0.181	0.197	0.050	9.5366	30.0
2-Nitrophenol-d4	0.180	0.197	0.050	9.5366	30.0
2,4-Dichlorophenol-d3	0.367	0.351	0.060	-0.1941	20.0
2,4-Dichlorophenol-d3	0.351	0.351	0.060	-0.1941	20.0
4-Chloroaniline-d4	0.451	0.458	0.010	1.397	40.0
4-Chloroaniline-d4	0.460	0.458	0.010	1.397	40.0
Dimethylphthalate-d6	1.453	1.508	0.300	3.8049	20.0
Dimethylphthalate-d6	1.551	1.508	0.300	3.8049	20.0
Acenaphthylene-d8	1.608	1.603	0.400	-0.3093	20.0
Acenaphthylene-d8	1.613	1.603	0.400	-0.3093	20.0
4-Nitrophenol-d4	0.166	0.180	0.010	7.8639	40.0
4-Nitrophenol-d4	0.192	0.180	0.010	7.8639	40.0
Fluorene-d10	1.302	1.296	0.100	-0.4366	20.0
Fluorene-d10	1.339	1.296	0.100	-0.4366	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.113	0.010	-3.2695	40.0
4,6-Dinitro-2-methylphenol-d2	0.121	0.113	0.010	-3.2695	40.0
Anthracene-d10	0.890	0.892	0.300	1.2097	20.0
Anthracene-d10	0.882	0.892	0.300	1.2097	20.0
Pyrene-d10	1.053	1.032	0.300	0.4993	25.0
Pyrene-d10	1.027	1.032	0.300	0.4993	25.0
Benzo(a)pyrene-d12	0.954	0.953	0.010	-0.1362	20.0
Benzo(a)pyrene-d12	0.962	0.953	0.010	-0.1362	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 17:25

Lab File ID: BG061264.D Init. Calib. Date(s):

EPA Sample No.: SSTD020492 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.382	0.471	0.010	23.1609	50.0
1,4-Dioxane	0.429	0.471	0.010	23.1609	50.0
Benzaldehyde	0.816	0.934	0.010	14.4826	50.0
Benzaldehyde	0.859	0.934	0.010	14.4826	50.0
Pyridine	1.187	1.235	0.010	4.0348	50.0
Pyridine	1.258	1.235	0.010	4.0348	50.0
Phenol	1.594	1.581	0.080	-0.7853	50.0
Phenol	1.673	1.581	0.080	-0.7853	50.0
Bis(2-Chloroethyl)ether	1.197	1.205	0.100	0.6507	50.0
Bis(2-Chloroethyl)ether	1.224	1.205	0.100	0.6507	50.0
2-Chlorophenol	1.257	1.239	0.200	-1.4681	50.0
2-Chlorophenol	1.285	1.239	0.200	-1.4681	50.0
2-Methylphenol	1.217	1.258	0.010	3.4075	50.0
2-Methylphenol	1.297	1.258	0.010	3.4075	50.0
2,2-oxybis(1-Chloropropane)	3.094	3.449	0.010	11.4628	50.0
2,2-oxybis(1-Chloropropane)	3.306	3.449	0.010	11.4628	50.0
Acetophenone	2.191	2.279	0.060	3.9961	50.0
Acetophenone	2.390	2.279	0.060	3.9961	50.0
4-Methylphenol	1.367	1.409	0.010	3.0832	50.0
4-Methylphenol	1.437	1.409	0.010	3.0832	50.0
N-Nitroso-di-n-propylamine	1.185	1.251	0.050	5.571	50.0
N-Nitroso-di-n-propylamine	1.314	1.251	0.050	5.571	50.0
Hexachloroethane	0.554	0.525	0.100	-5.281	50.0
Hexachloroethane	0.572	0.525	0.100	-5.281	50.0
Nitrobenzene	0.408	0.415	0.050	1.7557	50.0
Nitrobenzene	0.422	0.415	0.050	1.7557	50.0
Isophorone	0.809	0.856	0.050	5.8338	50.0
Isophorone	0.859	0.856	0.050	5.8338	50.0
2-Nitrophenol	0.190	0.196	0.050	2.9887	50.0
2-Nitrophenol	0.196	0.196	0.050	2.9887	50.0
2,4-Dimethylphenol	0.391	0.379	0.050	-2.3044	50.0
2,4-Dimethylphenol	0.388	0.379	0.050	-2.3044	50.0
Bis(2-Chloroethoxy)methane	0.424	0.425	0.050	0.1958	50.0
Bis(2-Chloroethoxy)methane	0.431	0.425	0.050	0.1958	50.0
2,4-Dichlorophenol	0.332	0.323	0.060	-0.3126	50.0
2,4-Dichlorophenol	0.324	0.323	0.060	-0.3126	50.0
Naphthalene	1.056	1.065	0.200	0.8694	50.0
Naphthalene	1.056	1.065	0.200	0.8694	50.0
4-Chloroaniline	0.437	0.472	0.010	7.9715	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 17:25

Lab File ID: BG061264.D Init. Calib. Date(s):

EPA Sample No.: SSTD020492 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
4-Chloroaniline	0.457	0.472	0.010	7.9715	50.0
Hexachlorobutadiene	0.337	0.317	0.040	0.1624	50.0
Hexachlorobutadiene	0.316	0.317	0.040	0.1624	50.0
Caprolactam	0.107	0.233	0.010	119.075	50.0
Caprolactam	0.124	0.233	0.010	119.075	50.0
4-Chloro-3-methylphenol	0.393	0.625	0.040	59.0007	50.0
4-Chloro-3-methylphenol	0.418	0.625	0.040	59.0007	50.0
1-Methylnaphthalene	0.755	0.773	0.100	2.4002	50.0
1-Methylnaphthalene	0.786	0.773	0.100	2.4002	50.0
2-Methylnaphthalene	0.753	0.762	0.100	1.1088	50.0
2-Methylnaphthalene	0.766	0.762	0.100	1.1088	50.0
Hexachlorocyclopentadiene	0.290	0.156	0.010	-46.288	50.0
Hexachlorocyclopentadiene	0.298	0.156	0.010	-46.288	50.0
2,4,6-Trichlorophenol	0.385	0.393	0.090	5.654	50.0
2,4,6-Trichlorophenol	0.372	0.393	0.090	5.654	50.0
2,4,5-Trichlorophenol	0.403	0.486	0.100	24.0159	50.0
2,4,5-Trichlorophenol	0.392	0.486	0.100	24.0159	50.0
1,1-Biphenyl	1.324	1.034	0.200	-20.0228	50.0
1,1-Biphenyl	1.293	1.034	0.200	-20.0228	50.0
2-Chloronaphthalene	1.054	0.839	0.300	-17.5225	50.0
2-Chloronaphthalene	1.018	0.839	0.300	-17.5225	50.0
2-Nitroaniline	0.409	0.550	0.050	34.5049	50.0
2-Nitroaniline	0.420	0.550	0.050	34.5049	50.0
Dimethylphthalate	1.512	2.130	0.300	40.9334	50.0
Dimethylphthalate	1.617	2.130	0.300	40.9334	50.0
2,6-Dinitrotoluene	0.300	0.421	0.080	40.3469	50.0
2,6-Dinitrotoluene	0.317	0.421	0.080	40.3469	50.0
Acenaphthylene	1.770	1.701	0.400	-3.9309	50.0
Acenaphthylene	1.788	1.701	0.400	-3.9309	50.0
3-Nitroaniline	0.259	0.393	0.010	51.7956	50.0
3-Nitroaniline	0.275	0.393	0.010	51.7956	50.0
Acenaphthene	1.183	1.185	0.200	1.0147	50.0
Acenaphthene	1.173	1.185	0.200	1.0147	50.0
2,4-Dinitrophenol	0.138	0.231	0.010	67.0742	50.0
2,4-Dinitrophenol	0.168	0.231	0.010	67.0742	50.0
4-Nitrophenol	0.199	0.335	0.010	68.2694	50.0
4-Nitrophenol	0.225	0.335	0.010	68.2694	50.0
Dibenzofuran	1.642	1.819	0.300	10.7403	50.0
Dibenzofuran	1.677	1.819	0.300	10.7403	50.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 17:25

Lab File ID: BG061264.D Init. Calib. Date(s):

EPA Sample No.: SSTD020492 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.446	0.670	0.070	50.2027	50.0
2,4-Dinitrotoluene	0.482	0.670	0.070	50.2027	50.0
Diethylphthalate	1.471	2.150	0.300	46.1559	50.0
Diethylphthalate	1.597	2.150	0.300	46.1559	50.0
Fluorene	1.400	1.765	0.200	26.093	50.0
Fluorene	1.451	1.765	0.200	26.093	50.0
4-Chlorophenyl-phenylether	0.839	1.024	0.100	22.045	50.0
4-Chlorophenyl-phenylether	0.851	1.024	0.100	22.045	50.0
4-Nitroaniline	0.263	0.430	0.010	63.799	50.0
4-Nitroaniline	0.287	0.430	0.010	63.799	50.0
4,6-Dinitro-2-methylphenol	0.121	0.128	0.010	6.2977	50.0
4,6-Dinitro-2-methylphenol	0.127	0.128	0.010	6.2977	50.0
N-Nitrosodiphenylamine	0.514	0.479	0.050	-4.6357	50.0
N-Nitrosodiphenylamine	0.503	0.479	0.050	-4.6357	50.0
1,2,4,5-Tetrachlorobenzene	0.709	0.499	0.100	-24.4433	50.0
1,2,4,5-Tetrachlorobenzene	0.660	0.499	0.100	-24.4433	50.0
4-Bromophenyl-phenylether	0.245	0.229	0.070	-3.4179	50.0
4-Bromophenyl-phenylether	0.237	0.229	0.070	-3.4179	50.0
Hexachlorobenzene	0.275	0.263	0.050	-0.2068	50.0
Hexachlorobenzene	0.263	0.263	0.050	-0.2068	50.0
Atrazine	0.198	0.108	0.010	-45.3311	50.0
Atrazine	0.199	0.108	0.010	-45.3311	50.0
Pentachlorophenol	0.082	0.087	0.010	5.9821	50.0
Pentachlorophenol	0.092	0.087	0.010	5.9821	50.0
Phenanthrene	0.967	0.960	0.200	-0.7403	50.0
Phenanthrene	0.971	0.960	0.200	-0.7403	50.0
Pentachlorobenzene	0.315	0.238	0.050	-18.5719	50.0
Pentachlorobenzene	0.292	0.238	0.050	-18.5719	50.0
Anthracene	0.998	0.985	0.200	-1.3514	50.0
Anthracene	1.004	0.985	0.200	-1.3514	50.0
1,2,3,4-Tetrachlorobenzene	0.299	0.153	0.050	-42.1063	50.0
1,2,3,4-Tetrachlorobenzene	0.264	0.153	0.050	-42.1063	50.0
Carbazole	0.804	0.830	0.050	3.2337	50.0
Carbazole	0.816	0.830	0.050	3.2337	50.0
Di-n-butylphthalate	0.996	1.052	0.500	5.5789	50.0
Di-n-butylphthalate	1.023	1.052	0.500	5.5789	50.0
Fluoranthene	1.267	1.208	0.400	-1.9573	50.0
Fluoranthene	1.232	1.208	0.400	-1.9573	50.0
Pyrene	1.293	1.229	0.400	-3.9133	50.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 17:25

Lab File ID: BG061264.D Init. Calib. Date(s):

EPA Sample No.: SSTD020492 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Pyrene	1.279	1.229	0.400	-3.9133	50.0
Butylbenzylphthalate	0.448	0.438	0.100	-0.2825	50.0
Butylbenzylphthalate	0.439	0.438	0.100	-0.2825	50.0
3,3-Dichlorobenzidine	0.424	0.411	0.010	-3.0105	50.0
3,3-Dichlorobenzidine	0.425	0.411	0.010	-3.0105	50.0
Benzo(a)anthracene	1.379	1.341	0.300	-2.7372	50.0
Benzo(a)anthracene	1.380	1.341	0.300	-2.7372	50.0
Chrysene	1.272	1.246	0.200	-1.9245	50.0
Chrysene	1.271	1.246	0.200	-1.9245	50.0
Bis(2-ethylhexyl)phthalate	0.638	0.641	0.200	0.3724	50.0
Bis(2-ethylhexyl)phthalate	0.650	0.641	0.200	0.3724	50.0
Di-n-octyl phthalate	0.982	1.004	0.010	2.2373	50.0
Di-n-octyl phthalate	1.001	1.004	0.010	2.2373	50.0
Benzo(b)fluoranthene	1.185	1.174	0.200	-0.944	50.0
Benzo(b)fluoranthene	1.191	1.174	0.200	-0.944	50.0
Benzo(k)fluoranthene	1.191	1.197	0.200	0.4456	50.0
Benzo(k)fluoranthene	1.209	1.197	0.200	0.4456	50.0
Benzo(a)pyrene	1.129	1.117	0.200	-1.0406	50.0
Benzo(a)pyrene	1.131	1.117	0.200	-1.0406	50.0
Indeno(1,2,3-cd)pyrene	1.348	1.348	0.200	0.0216	50.0
Indeno(1,2,3-cd)pyrene	1.367	1.348	0.200	0.0216	50.0
Dibenzo(a,h)anthracene	1.120	1.109	0.200	-0.9657	50.0
Dibenzo(a,h)anthracene	1.128	1.109	0.200	-0.9657	50.0
Benzo(g,h,i)perylene	1.075	1.075	0.200	-0.0446	50.0
Benzo(g,h,i)perylene	1.088	1.075	0.200	-0.0446	50.0
2,3,4,6-Tetrachlorophenol	0.340	0.473	0.040	39.0442	50.0
2,3,4,6-Tetrachlorophenol	0.357	0.473	0.040	39.0442	50.0
1,4-Dioxane-d8	0.341	0.402	0.010	18.058	50.0
1,4-Dioxane-d8	0.357	0.402	0.010	18.058	50.0
Pyridine-d5	1.164	1.211	0.010	4.0301	50.0
Pyridine-d5	1.271	1.211	0.010	4.0301	50.0
Phenol-d5	1.547	1.535	0.010	-0.7304	50.0
Phenol-d5	1.642	1.535	0.010	-0.7304	50.0
Bis-(2-Chloroethyl)ether-d8	0.976	1.001	0.050	2.5453	50.0
Bis-(2-Chloroethyl)ether-d8	1.032	1.001	0.050	2.5453	50.0
2-Chlorophenol-d4	1.149	1.179	0.200	2.6124	50.0
2-Chlorophenol-d4	1.216	1.179	0.200	2.6124	50.0
4-Methylphenol-d8	1.338	1.436	0.010	7.3141	50.0
4-Methylphenol-d8	1.400	1.436	0.010	7.3141	50.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG No.: BG052224

Instrument ID: BNA_G Calibration Date/Time: 5/22/2024 12 17:25

Lab File ID: BG061264.D Init. Calib. Date(s):

EPA Sample No.: SSTD020492 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.151	0.154	0.050	1.9082	50.0
Nitrobenzene-d5	0.154	0.154	0.050	1.9082	50.0
2-Nitrophenol-d4	0.181	0.175	0.050	-2.7665	50.0
2-Nitrophenol-d4	0.180	0.175	0.050	-2.7665	50.0
2,4-Dichlorophenol-d3	0.367	0.358	0.060	1.9693	50.0
2,4-Dichlorophenol-d3	0.351	0.358	0.060	1.9693	50.0
4-Chloroaniline-d4	0.451	0.478	0.010	6.003	50.0
4-Chloroaniline-d4	0.460	0.478	0.010	6.003	50.0
Dimethylphthalate-d6	1.453	2.044	0.300	40.6609	50.0
Dimethylphthalate-d6	1.551	2.044	0.300	40.6609	50.0
Acenaphthylene-d8	1.608	1.552	0.400	-3.508	50.0
Acenaphthylene-d8	1.613	1.552	0.400	-3.508	50.0
4-Nitrophenol-d4	0.166	0.279	0.010	67.8159	50.0
4-Nitrophenol-d4	0.192	0.279	0.010	67.8159	50.0
Fluorene-d10	1.302	1.668	0.100	28.1322	50.0
Fluorene-d10	1.339	1.668	0.100	28.1322	50.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.121	0.010	3.8391	50.0
4,6-Dinitro-2-methylphenol-d2	0.121	0.121	0.010	3.8391	50.0
Anthracene-d10	0.890	0.880	0.300	-0.2256	50.0
Anthracene-d10	0.882	0.880	0.300	-0.2256	50.0
Pyrene-d10	1.053	1.001	0.300	-2.4874	50.0
Pyrene-d10	1.027	1.001	0.300	-2.4874	50.0
Benzo(a)pyrene-d12	0.954	0.939	0.010	-1.5465	50.0
Benzo(a)pyrene-d12	0.962	0.939	0.010	-1.5465	50.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK893			SDG No.:	BG052224
Lab Sample ID:	PB160893BL			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
BG061258.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

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

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK893			SDG No.:	BG052224
Lab Sample ID:	PB160893BL			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
BG061258.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

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

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK893			SDG No.:	BG052224
Lab Sample ID:	PB160893BL			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
BG061258.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	0.53	U	0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.97	U	0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.7	U	1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.56	U	0.56	2.5	5	ug/L
218-01-9	Chrysene	0.75	U	0.75	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.87	U	0.87	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	1.5	U	1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.1	U	1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.1	U	1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	1	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	7.972		15-120		100	SPK: -8
7291-22-7	Pyridine-d5	35.75		20-120		89	SPK: -40
4165-62-2	Phenol-d5	28.973		10-130		72	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	32.83		25-120		82	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.664		20-130		79	SPK: -40
190780-66-6	4-Methylphenol-d8	30.589		25-125		76	SPK: -40
4165-60-0	Nitrobenzene-d5	30.297		20-125		76	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.719		20-130		77	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.639		20-120		69	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.38		1-146		78	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.423		25-130		84	SPK: -40
93951-97-4	Acenaphthylene-d8	31.422		10-130		79	SPK: -40
93951-79-2	4-Nitrophenol-d4	31.852		10-150		80	SPK: -40
81103-79-9	Fluorene-d10	31.912		25-125		80	SPK: -40

CHEMTECH
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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK893			SDG No.:	BG052224
Lab Sample ID:	PB160893BL			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
BG061258.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.131		10-130		68	SPK: -40
1719-06-8	Anthracene-d10	32.358		25-130		81	SPK: -40
1718-52-1	Pyrene-d10	32.641		15-130		82	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.257		20-130		81	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	16363	7.89				
1146-65-2	Naphthalene-d8	75177	10.681				
15067-26-2	Acenaphthene-d10	64943	14.524				
1517-22-2	Phenanthrene-d10	175105	17.267				
1719-03-5	Chrysene-d12	185558	21.515				
1520-96-3	Perylene-d12	209687	24.6				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4.2	J			3.078	
E966796	Total Alkanes	0.99	U			99	ug/L

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-01	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
BG061259.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0.5	2	ug/L
100-52-7	Benzaldehyde	5.9	J	2.3	5	10	ug/L
110-86-1	Pyridine	5.3	J	2.2	10	10	ug/L
108-95-2	Phenol	4.5	J	1.5	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	5.2	J	1.3	5	10	ug/L
95-57-8	2-Chlorophenol	5		1.2	2.5	5	ug/L
95-48-7	2-Methylphenol	4	J	0.82	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.5	J	1.2	5	10	ug/L
98-86-2	Acetophenone	4.3	J	0.89	5	10	ug/L
106-44-5	4-Methylphenol	3.9	J	1.2	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	4.3	J	1.5	2.5	5	ug/L
67-72-1	Hexachloroethane	4.5	J	1.5	2.5	5	ug/L
98-95-3	Nitrobenzene	5		0.99	2.5	5	ug/L
78-59-1	Isophorone	4.9	J	1.1	2.5	5	ug/L
88-75-5	2-Nitrophenol	5		1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	2.8	J	1.1	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	4.9	J	1.2	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	5		0.93	2.5	5	ug/L
91-20-3	Naphthalene	4.9	J	0.7	2.5	5	ug/L
106-47-8	4-Chloroaniline	4.7	J	1.8	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	5		0.98	2.5	5	ug/L
105-60-2	Caprolactam	5.7	J	2.9	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	4.7	J	2	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	4.9	J	1	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	4.7	J	1.6	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	4.4	J	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	4.7	J	0.81	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	4.9	J	0.8	2.5	5	ug/L

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-01	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
BG061259.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	5.1		0.99	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	5		1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	4.7	J	1.7	2.5	5	ug/L
131-11-3	Dimethylphthalate	4.9	J	1.3	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	4.8	J	1.3	2.5	5	ug/L
208-96-8	Acenaphthylene	5.1		1.1	2.5	5	ug/L
99-09-2	3-Nitroaniline	5.4	J	1.5	5	10	ug/L
83-32-9	Acenaphthene	5.1		1.1	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	4.3	J	2.8	5	10	ug/L
100-02-7	4-Nitrophenol	5.7	J	1.4	5	10	ug/L
132-64-9	Dibenzofuran	5.1		0.87	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	5		1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	5.2		0.87	2.5	5	ug/L
86-73-7	Fluorene	5.2		0.87	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.2		0.96	2.5	5	ug/L
100-01-6	4-Nitroaniline	5.4	J	1.2	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	4.9	J	1.2	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	5		0.71	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5		0.9	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	4.7	J	1.4	2.5	5	ug/L
118-74-1	Hexachlorobenzene	4.6	J	0.56	2.5	5	ug/L
1912-24-9	Atrazine	6.2	J	0.96	5	10	ug/L
87-86-5	Pentachlorophenol	5	J	2.5	5	10	ug/L
85-01-8	Phenanthrene	4.9	J	0.97	2.5	5	ug/L
608-93-5	Pentachlorobenzene	4.8	J	1.2	2.5	5	ug/L
120-12-7	Anthracene	4.5	J	0.72	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	4.6	J	0.92	2.5	5	ug/L
86-74-8	Carbazole	5.1	J	1	5	10	ug/L
84-74-2	Di-n-butylphthalate	4.9	J	0.81	2.5	5	ug/L
206-44-0	Fluoranthene	4.8	J	0.65	5	5	ug/L

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-01	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
BG061259.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	4.9	J	0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	5		0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	4.5	J	1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	4.9	J	0.56	2.5	5	ug/L
218-01-9	Chrysene	4.9	J	0.75	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.9	J	0.87	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	5.1	J	1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	5.1		1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	5		1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	5		1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.9	J	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	5		1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	5		1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.3	J	1	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	23.272		20-120		58	SPK: -40
4165-62-2	Phenol-d5	22.365		10-130		56	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.572		25-120		59	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.063		20-130		58	SPK: -40
190780-66-6	4-Methylphenol-d8	19.142		25-125		48	SPK: -40
4165-60-0	Nitrobenzene-d5	23.664		20-125		59	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.988		20-130		57	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.544		20-120		54	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.667		1-146		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.945		25-130		57	SPK: -40
93951-97-4	Acenaphthylene-d8	23.339		10-130		58	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.663		10-150		59	SPK: -40
81103-79-9	Fluorene-d10	23.802		25-125		60	SPK: -40

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-01	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
BG061259.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160893

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.309		10-130		51	SPK: -40
1719-06-8	Anthracene-d10	21.062		25-130		53	SPK: -40
1718-52-1	Pyrene-d10	22.334		15-130		56	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.587		20-130		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27710	7.881				
1146-65-2	Naphthalene-d8	107520	10.684				
15067-26-2	Acenaphthene-d10	90392	14.521				
1517-22-2	Phenanthrene-d10	249345	17.27				
1719-03-5	Chrysene-d12	265045	21.518				
1520-96-3	Perylene-d12	282772	24.609				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061260.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	38	J	27	6.6	66	ug/Kg
100-52-7	Benzaldehyde	200	J	58	82.2	330	ug/Kg
110-86-1	Pyridine	190	J	77	160	330	ug/Kg
108-95-2	Phenol	160	J	30	82.2	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	170	J	29	82.2	330	ug/Kg
95-57-8	2-Chlorophenol	160	J	28	42.4	170	ug/Kg
95-48-7	2-Methylphenol	150	J	31	82.2	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	J	40	82.2	330	ug/Kg
98-86-2	Acetophenone	160	J	66	82.2	330	ug/Kg
106-44-5	4-Methylphenol	160	J	53	82.2	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	J	79	42.4	170	ug/Kg
67-72-1	Hexachloroethane	160	J	61	42.4	170	ug/Kg
98-95-3	Nitrobenzene	160	J	64	42.4	170	ug/Kg
78-59-1	Isophorone	160	J	66	42.4	170	ug/Kg
88-75-5	2-Nitrophenol	150	J	60	42.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93	J	32	42.4	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	160	J	45	42.4	170	ug/Kg
120-83-2	2,4-Dichlorophenol	150	J	38	42.4	170	ug/Kg
91-20-3	Naphthalene	160	J	24	42.4	170	ug/Kg
106-47-8	4-Chloroaniline	160	J	36	42.4	330	ug/Kg
87-68-3	Hexachlorobutadiene	160	J	35	42.4	170	ug/Kg
105-60-2	Caprolactam	170	J	64	82.2	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	J	41	42.4	170	ug/Kg
90-12-0	1-Methylnaphthalene	170		24	42.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	170		32	42.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	J	97	82.2	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	140	J	24	42.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	J	33	42.4	170	ug/Kg

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061260.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	160	J	26	42.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	160	J	33	42.4	170	ug/Kg
88-74-4	2-Nitroaniline	170		45	42.4	170	ug/Kg
131-11-3	Dimethylphthalate	160	J	30	42.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	J	20	42.4	170	ug/Kg
208-96-8	Acenaphthylene	160	J	29	42.4	170	ug/Kg
99-09-2	3-Nitroaniline	160	J	66	82.2	330	ug/Kg
83-32-9	Acenaphthene	160	J	26	42.4	170	ug/Kg
51-28-5	2,4-Dinitrophenol	160	J	130	82.2	330	ug/Kg
100-02-7	4-Nitrophenol	160	J	44	82.2	330	ug/Kg
132-64-9	Dibenzofuran	160	J	27	42.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	J	35	42.4	170	ug/Kg
84-66-2	Diethylphthalate	170		33	42.4	170	ug/Kg
86-73-7	Fluorene	160	J	27	42.4	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170		20	42.4	170	ug/Kg
100-01-6	4-Nitroaniline	160	J	24	82.2	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	J	38	82.2	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	160	J	24	42.4	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	J	34	42.4	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	J	26	42.4	170	ug/Kg
118-74-1	Hexachlorobenzene	160	J	28	42.4	170	ug/Kg
1912-24-9	Atrazine	210	J	28	82.2	330	ug/Kg
87-86-5	Pentachlorophenol	150	J	88	82.2	330	ug/Kg
85-01-8	Phenanthrene	160	J	27	42.4	170	ug/Kg
608-93-5	Pentachlorobenzene	160	J	37	42.4	170	ug/Kg
120-12-7	Anthracene	150	J	25	42.4	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	150	J	17	42.4	170	ug/Kg
86-74-8	Carbazole	160	J	34	82.2	330	ug/Kg
84-74-2	Di-n-butylphthalate	170		27	42.4	170	ug/Kg
206-44-0	Fluoranthene	160	J	19	82.2	170	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM
Project:				Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT2-2024-03			SDG No.:	BG052224
Lab Sample ID:	P2409-03			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061260.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	170		18	42.4	170	ug/Kg
85-68-7	Butylbenzylphthalate	170		22	42.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	J	52	82.2	330	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	23	42.4	170	ug/Kg
218-01-9	Chrysene	160	J	24	42.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	J	25	42.4	170	ug/Kg
117-84-0	Di-n-octyl phthalate	170	J	48	82.2	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170		37	42.4	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	170		38	42.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	160	J	31	42.4	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170		28	42.4	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170		26	42.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170		32	42.4	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	J	36	42.4	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.99		15-120		75	SPK: -8
7291-22-7	Pyridine-d5	26.537		20-120		66	SPK: -40
4165-62-2	Phenol-d5	22.224		10-130		56	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.024		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.666		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	22.24		10-140		56	SPK: -40
4165-60-0	Nitrobenzene-d5	22.5		10-135		56	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.445		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.351		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.359		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.65		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	22.651		15-120		57	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.014		10-150		58	SPK: -40
81103-79-9	Fluorene-d10	23.131		20-140		58	SPK: -40

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Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM
Project:				Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT2-2024-03			SDG No.:	BG052224
Lab Sample ID:	P2409-03			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	30.1	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061260.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.893		10-130		52	SPK: -40
1719-06-8	Anthracene-d10	20.583		10-150		51	SPK: -40
1718-52-1	Pyrene-d10	22.663		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.686		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24290	7.884				
1146-65-2	Naphthalene-d8	109499	10.681				
15067-26-2	Acenaphthene-d10	95023	14.523				
1517-22-2	Phenanthrene-d10	251909	17.267				
1719-03-5	Chrysene-d12	267612	21.521				
1520-96-3	Perylene-d12	286951	24.606				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.05 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
BG061261.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1300	J	900	190	1900	ug/Kg
100-52-7	Benzaldehyde	5600	J	2000	2400	9500	ug/Kg
110-86-1	Pyridine	4600	J	3300	4700	9500	ug/Kg
108-95-2	Phenol	4500	J	1400	2400	9500	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	4600	J	1800	2400	9500	ug/Kg
95-57-8	2-Chlorophenol	4600	J	1400	1200	4800	ug/Kg
95-48-7	2-Methylphenol	4500	J	1100	2400	9500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	5000	J	1900	2400	9500	ug/Kg
98-86-2	Acetophenone	4700	J	1400	2400	9500	ug/Kg
106-44-5	4-Methylphenol	4400	J	1400	2400	9500	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	5100		2000	1200	4800	ug/Kg
67-72-1	Hexachloroethane	4500	J	1600	1200	4800	ug/Kg
98-95-3	Nitrobenzene	4700	J	1700	1200	4800	ug/Kg
78-59-1	Isophorone	4600	J	1000	1200	4800	ug/Kg
88-75-5	2-Nitrophenol	4500	J	830	1200	4800	ug/Kg
105-67-9	2,4-Dimethylphenol	2700	J	560	1200	4800	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	4700	J	920	1200	4800	ug/Kg
120-83-2	2,4-Dichlorophenol	4600	J	710	1200	4800	ug/Kg
91-20-3	Naphthalene	4800		530	1200	4800	ug/Kg
106-47-8	4-Chloroaniline	4700	J	860	1200	9500	ug/Kg
87-68-3	Hexachlorobutadiene	4600	J	1100	1200	4800	ug/Kg
105-60-2	Caprolactam	5300	J	1900	2400	9500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4600	J	1000	1200	4800	ug/Kg
90-12-0	1-Methylnaphthalene	4800		590	1200	4800	ug/Kg
91-57-6	2-Methylnaphthalene	4800		720	1200	4800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4300	J	2500	2400	9500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4100	J	1100	1200	4800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4600	J	910	1200	4800	ug/Kg

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.05 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
BG061261.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	4700	J	870	1200	4800	ug/Kg
91-58-7	2-Chloronaphthalene	4700	J	810	1200	4800	ug/Kg
88-74-4	2-Nitroaniline	4400	J	1500	1200	4800	ug/Kg
131-11-3	Dimethylphthalate	4700	J	780	1200	4800	ug/Kg
606-20-2	2,6-Dinitrotoluene	4600	J	1400	1200	4800	ug/Kg
208-96-8	Acenaphthylene	4500	J	830	1200	4800	ug/Kg
99-09-2	3-Nitroaniline	4900	J	1200	2400	9500	ug/Kg
83-32-9	Acenaphthene	4800		740	1200	4800	ug/Kg
51-28-5	2,4-Dinitrophenol	4800	J	3400	2400	9500	ug/Kg
100-02-7	4-Nitrophenol	5200	J	1500	2400	9500	ug/Kg
132-64-9	Dibenzofuran	4800		740	1200	4800	ug/Kg
121-14-2	2,4-Dinitrotoluene	4500	J	910	1200	4800	ug/Kg
84-66-2	Diethylphthalate	4800		1600	1200	4800	ug/Kg
86-73-7	Fluorene	4800		1600	1200	4800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4600	J	1100	1200	4800	ug/Kg
100-01-6	4-Nitroaniline	4700	J	1100	2400	9500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4600	J	2400	2400	9500	ug/Kg
86-30-6	N-Nitrosodiphenylamine	4400	J	2700	1200	4800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4800		840	1200	4800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4600	J	1800	1200	4800	ug/Kg
118-74-1	Hexachlorobenzene	4500	J	2100	1200	4800	ug/Kg
1912-24-9	Atrazine	5500	J	2000	2400	9500	ug/Kg
87-86-5	Pentachlorophenol	4900	J	3100	2400	9500	ug/Kg
85-01-8	Phenanthrene	4800		660	1200	4800	ug/Kg
608-93-5	Pentachlorobenzene	4700	J	2000	1200	4800	ug/Kg
120-12-7	Anthracene	4300	J	540	1200	4800	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	4400	J	2100	1200	4800	ug/Kg
86-74-8	Carbazole	4700	J	900	2400	9500	ug/Kg
84-74-2	Di-n-butylphthalate	4900		810	1200	4800	ug/Kg
206-44-0	Fluoranthene	4600	J	570	2400	4800	ug/Kg

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.05 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
BG061261.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	4700	J	590	1200	4800	ug/Kg
85-68-7	Butylbenzylphthalate	4600	J	500	1200	4800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	4300	J	1900	2400	9500	ug/Kg
56-55-3	Benzo(a)anthracene	4600	J	730	1200	4800	ug/Kg
218-01-9	Chrysene	4600	J	620	1200	4800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4700	J	540	1200	4800	ug/Kg
117-84-0	Di-n-octyl phthalate	5100	J	1200	2400	9500	ug/Kg
205-99-2	Benzo(b)fluoranthene	5100		920	1200	4800	ug/Kg
207-08-9	Benzo(k)fluoranthene	4900		800	1200	4800	ug/Kg
50-32-8	Benzo(a)pyrene	4900		940	1200	4800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4900		890	1200	4800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	5000		730	1200	4800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4900		860	1200	4800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4000	J	1700	1200	4800	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.362		15-120		67	SPK: -8
7291-22-7	Pyridine-d5	22.484		20-120		56	SPK: -40
4165-62-2	Phenol-d5	22.262		10-130		56	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.337		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.589		15-120		56	SPK: -40
190780-66-6	4-Methylphenol-d8	21.911		10-140		55	SPK: -40
4165-60-0	Nitrobenzene-d5	23.181		10-135		58	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.305		10-120		56	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.102		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.286		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.476		10-145		56	SPK: -40
93951-97-4	Acenaphthylene-d8	22.759		15-120		57	SPK: -40
93951-79-2	4-Nitrophenol-d4	23.078		10-150		58	SPK: -40
81103-79-9	Fluorene-d10	23.219		20-140		58	SPK: -40

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Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT2-2024-03	SDG No.:	BG052224
Lab Sample ID:	P2409-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.05 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
BG061261.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.219		10-130		51	SPK: -40
1719-06-8	Anthracene-d10	20.978		10-150		52	SPK: -40
1718-52-1	Pyrene-d10	22.339		10-130		56	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.618		10-140		59	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24922	7.887				
1146-65-2	Naphthalene-d8	112116	10.684				
15067-26-2	Acenaphthene-d10	98070	14.521				
1517-22-2	Phenanthrene-d10	263903	17.271				
1719-03-5	Chrysene-d12	284148	21.519				
1520-96-3	Perylene-d12	291271	24.603				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	870	U			99	ug/Kg

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK896			SDG No.:	BG052224
Lab Sample ID:	PB160896BL			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
BG061262.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

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

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK896			SDG No.:	BG052224
Lab Sample ID:	PB160896BL			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
BG061262.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

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

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK896			SDG No.:	BG052224
Lab Sample ID:	PB160896BL			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
BG061262.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	18	U	18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	52	U	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	23	U	23	42.5	170	ug/Kg
218-01-9	Chrysene	24	U	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	25	U	25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.713		15-120		84	SPK: -8
7291-22-7	Pyridine-d5	30.551		20-120		76	SPK: -40
4165-62-2	Phenol-d5	26.629		10-130		67	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.774		10-150		74	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.24		15-120		73	SPK: -40
190780-66-6	4-Methylphenol-d8	27.867		10-140		70	SPK: -40
4165-60-0	Nitrobenzene-d5	30.503		10-135		76	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.663		10-120		74	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.623		10-140		69	SPK: -40
191656-33-4	4-Chloroaniline-d4	30.378		1-145		76	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.149		10-145		80	SPK: -40
93951-97-4	Acenaphthylene-d8	30.275		15-120		76	SPK: -40
93951-79-2	4-Nitrophenol-d4	29.554		10-150		74	SPK: -40
81103-79-9	Fluorene-d10	31.141		20-140		78	SPK: -40

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK896			SDG No.:	BG052224
Lab Sample ID:	PB160896BL			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
BG061262.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160896

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	25.331		10-130		63	SPK: -40
1719-06-8	Anthracene-d10	30.946		10-150		77	SPK: -40
1718-52-1	Pyrene-d10	31.211		10-130		78	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.208		10-140		78	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	18381	7.884				
1146-65-2	Naphthalene-d8	80029	10.681				
15067-26-2	Acenaphthene-d10	70702	14.517				
1517-22-2	Phenanthrene-d10	196713	17.267				
1719-03-5	Chrysene-d12	212722	21.515				
1520-96-3	Perylene-d12	230942	24.6				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	120	J			3.078	
	(DEL) Alkane: Straight-Chain22.055	120	J			22.055	
	(DEL) Alkane: Straight-Chain25.510	72	J			25.51	
E966796	Total Alkanes	190				99	ug/Kg

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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK897			SDG No.:	BG052224
Lab Sample ID:	PB160897BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	1.02	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
BG061263.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	920	U	920	190	2000	ug/Kg
100-52-7	Benzaldehyde	2100	U	2100	2400	9800	ug/Kg
110-86-1	Pyridine	3400	U	3400	4900	9800	ug/Kg
108-95-2	Phenol	1500	U	1500	2400	9800	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1900	U	1900	2400	9800	ug/Kg
95-57-8	2-Chlorophenol	1500	U	1500	1300	4900	ug/Kg
95-48-7	2-Methylphenol	1200	U	1200	2400	9800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000	U	2000	2400	9800	ug/Kg
98-86-2	Acetophenone	1500	U	1500	2400	9800	ug/Kg
106-44-5	4-Methylphenol	1500	U	1500	2400	9800	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	2100	U	2100	1300	4900	ug/Kg
67-72-1	Hexachloroethane	1700	U	1700	1300	4900	ug/Kg
98-95-3	Nitrobenzene	1800	U	1800	1300	4900	ug/Kg
78-59-1	Isophorone	1100	U	1100	1300	4900	ug/Kg
88-75-5	2-Nitrophenol	850	U	850	1300	4900	ug/Kg
105-67-9	2,4-Dimethylphenol	580	U	580	1300	4900	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	950	U	950	1300	4900	ug/Kg
120-83-2	2,4-Dichlorophenol	740	U	740	1300	4900	ug/Kg
91-20-3	Naphthalene	550	U	550	1300	4900	ug/Kg
106-47-8	4-Chloroaniline	880	U	880	1300	9800	ug/Kg
87-68-3	Hexachlorobutadiene	1200	U	1200	1300	4900	ug/Kg
105-60-2	Caprolactam	2000	U	2000	2400	9800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	U	1100	1300	4900	ug/Kg
90-12-0	1-Methylnaphthalene	610	U	610	1300	4900	ug/Kg
91-57-6	2-Methylnaphthalene	750	U	750	1300	4900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	U	2500	2400	9800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	1300	4900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	940	U	940	1300	4900	ug/Kg

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK897			SDG No.:	BG052224
Lab Sample ID:	PB160897BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	1.02	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
BG061263.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	890	U	890	1300	4900	ug/Kg
91-58-7	2-Chloronaphthalene	830	U	830	1300	4900	ug/Kg
88-74-4	2-Nitroaniline	1600	U	1600	1300	4900	ug/Kg
131-11-3	Dimethylphthalate	800	U	800	1300	4900	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500	U	1500	1300	4900	ug/Kg
208-96-8	Acenaphthylene	850	U	850	1300	4900	ug/Kg
99-09-2	3-Nitroaniline	1300	U	1300	2400	9800	ug/Kg
83-32-9	Acenaphthene	760	U	760	1300	4900	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	U	3500	2400	9800	ug/Kg
100-02-7	4-Nitrophenol	1600	U	1600	2400	9800	ug/Kg
132-64-9	Dibenzofuran	760	U	760	1300	4900	ug/Kg
121-14-2	2,4-Dinitrotoluene	940	U	940	1300	4900	ug/Kg
84-66-2	Diethylphthalate	1700	U	1700	1300	4900	ug/Kg
86-73-7	Fluorene	1700	U	1700	1300	4900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200	U	1200	1300	4900	ug/Kg
100-01-6	4-Nitroaniline	1200	U	1200	2400	9800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2500	U	2500	2400	9800	ug/Kg
86-30-6	N-Nitrosodiphenylamine	2700	U	2700	1300	4900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	860	U	860	1300	4900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900	U	1900	1300	4900	ug/Kg
118-74-1	Hexachlorobenzene	2200	U	2200	1300	4900	ug/Kg
1912-24-9	Atrazine	2100	U	2100	2400	9800	ug/Kg
87-86-5	Pentachlorophenol	3200	U	3200	2400	9800	ug/Kg
85-01-8	Phenanthrene	680	U	680	1300	4900	ug/Kg
608-93-5	Pentachlorobenzene	2100	U	2100	1300	4900	ug/Kg
120-12-7	Anthracene	560	U	560	1300	4900	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	2200	U	2200	1300	4900	ug/Kg
86-74-8	Carbazole	930	U	930	2400	9800	ug/Kg
84-74-2	Di-n-butylphthalate	830	U	830	1300	4900	ug/Kg
206-44-0	Fluoranthene	590	U	590	2400	4900	ug/Kg

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK897			SDG No.:	BG052224
Lab Sample ID:	PB160897BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	1.02	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
BG061263.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	610	U	610	1300	4900	ug/Kg
85-68-7	Butylbenzylphthalate	510	U	510	1300	4900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	U	2000	2400	9800	ug/Kg
56-55-3	Benzo(a)anthracene	750	U	750	1300	4900	ug/Kg
218-01-9	Chrysene	640	U	640	1300	4900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	560	U	560	1300	4900	ug/Kg
117-84-0	Di-n-octyl phthalate	1300	U	1300	2400	9800	ug/Kg
205-99-2	Benzo(b)fluoranthene	950	U	950	1300	4900	ug/Kg
207-08-9	Benzo(k)fluoranthene	820	U	820	1300	4900	ug/Kg
50-32-8	Benzo(a)pyrene	970	U	970	1300	4900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910	U	910	1300	4900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	750	U	750	1300	4900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	880	U	880	1300	4900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800	U	1800	1300	4900	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	7.671		15-120		96	SPK: -8
7291-22-7	Pyridine-d5	36.163		20-120		90	SPK: -40
4165-62-2	Phenol-d5	28.868		10-130		72	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.822		10-150		80	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.879		15-120		80	SPK: -40
190780-66-6	4-Methylphenol-d8	30.188		10-140		75	SPK: -40
4165-60-0	Nitrobenzene-d5	31.468		10-135		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	29.831		10-120		75	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.68		10-140		69	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.773		1-145		79	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.482		10-145		84	SPK: -40
93951-97-4	Acenaphthylene-d8	31.135		15-120		78	SPK: -40
93951-79-2	4-Nitrophenol-d4	29.474		10-150		74	SPK: -40
81103-79-9	Fluorene-d10	31.828		20-140		80	SPK: -40

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:				Date Collected:	5/13/2024 12:00:00 AM
Project:				Date Received:	5/13/2024 12:00:00 AM
Client Sample ID:	SBLK897			SDG No.:	BG052224
Lab Sample ID:	PB160897BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	1.02	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
BG061263.D	1	5/13/2024 12:00:00 AM	5/22/2024 12:00:00 AM	PB160897

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	23.949		10-130		60	SPK: -40
1719-06-8	Anthracene-d10	31.313		10-150		78	SPK: -40
1718-52-1	Pyrene-d10	32.387		10-130		81	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.031		10-140		80	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	17187	7.888				
1146-65-2	Naphthalene-d8	79520	10.679				
15067-26-2	Acenaphthene-d10	70752	14.522				
1517-22-2	Phenanthrene-d10	196859	17.265				
1719-03-5	Chrysene-d12	211552	21.519				
1520-96-3	Perylene-d12	237824	24.604				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	4400	J			3.082	
	(DEL) Alkane: Straight-Chain25.697	2200	J			25.697	
	(DEL) Alkane: Straight-Chain26.983	2100	J			26.983	
E966796	Total Alkanes	4300				99	ug/Kg

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BG052224

Client:

Sample ID	Client ID	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**MDL-WATER-QT2-2024-03**							
P2409-01	MDL-WATER-QT2-2024 Water	Total Alkanes	*	0.000		0.99	5	ug/L
		Total Tics :				**0.00**		
P2409-01	MDL-WATER-QT2-2024 Water	1,1-Biphenyl		5.100		0.99	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	1,2,3,4-Tetrachlorobenzene		4.600	J	0.92	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	1,2,4,5-Tetrachlorobenzene		5.000		0.9	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	1-Methylnaphthalene		4.900	J	1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,2-oxybis(1-Chloropropane)		4.500	J	1.2	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,3,4,6-Tetrachlorophenol		4.300	J	1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,4,5-Trichlorophenol		4.900	J	0.8	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,4,6-Trichlorophenol		4.700	J	0.81	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,4-Dichlorophenol		5.000		0.93	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,4-Dimethylphenol		2.800	J	1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,4-Dinitrophenol		4.300	J	2.8	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,4-Dinitrotoluene		5.000		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2,6-Dinitrotoluene		4.800	J	1.3	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Chloronaphthalene		5.000		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Chlorophenol		5.000		1.2	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Methylnaphthalene		4.700	J	1.6	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Methylphenol		4.000	J	0.82	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Nitroaniline		4.700	J	1.7	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	2-Nitrophenol		5.000		1.2	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	3,3-Dichlorobenzidine		4.500	J	1.7	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	3-Nitroaniline		5.400	J	1.5	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4,6-Dinitro-2-methylphenol		4.900	J	1.2	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Bromophenyl-phenylether		4.700	J	1.4	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Chloro-3-methylphenol		4.700	J	2	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Chloroaniline		4.700	J	1.8	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Chlorophenyl-phenylether		5.200		0.96	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Methylphenol		3.900	J	1.2	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Nitroaniline		5.400	J	1.2	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	4-Nitrophenol		5.700	J	1.4	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Acenaphthene		5.100		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Acenaphthylene		5.100		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Acetophenone		4.300	J	0.89	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Anthracene		4.500	J	0.72	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Atrazine		6.200	J	0.96	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzaldehyde		5.900	J	2.3	10	ug/L

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BG052224

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(a)anthracene	4.900	J	0.56	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(a)pyrene	5.000		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(b)fluoranthene	5.100		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(g,h,i)perylene	5.000		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Benzo(k)fluoranthene	5.000		1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Bis(2-Chloroethoxy)methane	4.900	J	1.2	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Bis(2-Chloroethyl)ether	5.200	J	1.3	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Bis(2-ethylhexyl)phthalate	4.900	J	0.87	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Butylbenzylphthalate	5.000		0.97	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Caprolactam	5.700	J	2.9	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Carbazole	5.100	J	1	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Chrysene	4.900	J	0.75	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Di-n-butylphthalate	4.900	J	0.81	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Di-n-octyl phthalate	5.100	J	1.5	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Dibenzo(a,h)anthracene	5.000		1.2	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Dibenzofuran	5.100		0.87	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Diethylphthalate	5.200		0.87	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Dimethylphthalate	4.900	J	1.3	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Fluoranthene	4.800	J	0.65	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Fluorene	5.200		0.87	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Hexachlorobenzene	4.600	J	0.56	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Hexachlorobutadiene	5.000		0.98	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Hexachlorocyclopentadiene	4.400	J	3.1	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Hexachloroethane	4.500	J	1.5	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Indeno(1,2,3-cd)pyrene	4.900	J	1.4	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Isophorone	4.900	J	1.1	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	N-Nitroso-di-n-propylamine	4.300	J	1.5	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	N-Nitrosodiphenylamine	5.000		0.71	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Naphthalene	4.900	J	0.7	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Nitrobenzene	5.000		0.99	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Pentachlorobenzene	4.800	J	1.2	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Pentachlorophenol	5.000	J	2.5	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Phenanthrene	4.900	J	0.97	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Phenol	4.500	J	1.5	10	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Pyrene	4.900	J	0.53	5	ug/L
P2409-01	MDL-WATER-QT2-2024 Water	Pyridine	5.300	J	2.2	10	ug/L
		Total Svoc :	**346.30**				
		Total Concentration:	**346.30**				

Client ID : MDL-SOIL-QT2-2024-03

P2409-03	MDL-SOIL-QT2-2024-0 Solid	Total Alkanes	*	0.000	26	170	ug/Kg

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BG052224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	**0.00**				
P2409-03	MDL-SOIL-QT2-2024-0	Solid	1,1-Biphenyl	160.000	J	26	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	1,2,3,4-Tetrachlorobenzene	150.000	J	17	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	1,2,4,5-Tetrachlorobenzene	160.000	J	34	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	1,4-Dioxane	38.000	J	27	66	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	1-Methylnaphthalene	170.000		24	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,2-oxybis(1-Chloropropane)	170.000	J	40	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,3,4,6-Tetrachlorophenol	150.000	J	36	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,4,5-Trichlorophenol	160.000	J	33	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,4,6-Trichlorophenol	140.000	J	24	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,4-Dichlorophenol	150.000	J	38	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,4-Dimethylphenol	93.000	J	32	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,4-Dinitrophenol	160.000	J	130	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,4-Dinitrotoluene	160.000	J	35	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2,6-Dinitrotoluene	160.000	J	20	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2-Chloronaphthalene	160.000	J	33	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2-Chlorophenol	160.000	J	28	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2-Methylnaphthalene	170.000		32	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2-Methylphenol	150.000	J	31	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2-Nitroaniline	170.000		45	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	2-Nitrophenol	150.000	J	60	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	3,3-Dichlorobenzidine	160.000	J	52	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	3-Nitroaniline	160.000	J	66	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4,6-Dinitro-2-methylphenol	150.000	J	38	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Bromophenyl-phenylether	160.000	J	26	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Chloro-3-methylphenol	140.000	J	41	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Chloroaniline	160.000	J	36	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Chlorophenyl-phenylether	170.000		20	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Methylphenol	160.000	J	53	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Nitroaniline	160.000	J	24	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	4-Nitrophenol	160.000	J	44	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Acenaphthene	160.000	J	26	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Acenaphthylene	160.000	J	29	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Acetophenone	160.000	J	66	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Anthracene	150.000	J	25	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Atrazine	210.000	J	28	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzaldehyde	200.000	J	58	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(a)anthracene	160.000	J	23	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(a)pyrene	160.000	J	31	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(b)fluoranthene	170.000		37	170	ug/Kg

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: BG052224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(g,h,i)perylene	170.000		32	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Benzo(k)fluoranthene	170.000		38	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Bis(2-Chloroethoxy)methane	160.000	J	45	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Bis(2-Chloroethyl)ether	170.000	J	29	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Bis(2-ethylhexyl)phthalate	160.000	J	25	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Butylbenzylphthalate	170.000		22	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Caprolactam	170.000	J	64	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Carbazole	160.000	J	34	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Chrysene	160.000	J	24	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Di-n-butylphthalate	170.000		27	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Di-n-octyl phthalate	170.000	J	48	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Dibenzo(a,h)anthracene	170.000		26	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Dibenzofuran	160.000	J	27	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Diethylphthalate	170.000		33	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Dimethylphthalate	160.000	J	30	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Fluoranthene	160.000	J	19	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Fluorene	160.000	J	27	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Hexachlorobenzene	160.000	J	28	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Hexachlorobutadiene	160.000	J	35	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Hexachlorocyclopentadiene	150.000	J	97	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Hexachloroethane	160.000	J	61	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Indeno(1,2,3-cd)pyrene	170.000		28	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Isophorone	160.000	J	66	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	N-Nitroso-di-n-propylamine	160.000	J	79	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	N-Nitrosodiphenylamine	160.000	J	24	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Naphthalene	160.000	J	24	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Nitrobenzene	160.000	J	64	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Pentachlorobenzene	160.000	J	37	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Pentachlorophenol	150.000	J	88	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Phenanthrene	160.000	J	27	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Phenol	160.000	J	30	330	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Pyrene	170.000		18	170	ug/Kg
P2409-03	MDL-SOIL-QT2-2024-0	Solid	Pyridine	190.000	J	77	330	ug/Kg
			Total Svoc :	**11,491.00**				
			Total Concentration:	**11,491.00**				
Client ID :	**MDL-MED-SOIL-QT2-2024-03**							
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Total Alkanes	* 0.000		870	4800	ug/Kg
			Total Tics :	**0.00**				
P2409-05	MDL-MED-SOIL-QT2-2	Solid	1,1-Biphenyl	4,700.000	J	870	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	1,2,3,4-Tetrachlorobenzene	4,400.000	J	2100	4800	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: BG052224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2409-05	MDL-MED-SOIL-QT2-2	Solid	1,2,4,5-Tetrachlorobenzene	4,800.000		840	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	1,4-Dioxane	1,300.000	J	900	1900	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	1-Methylnaphthalene	4,800.000		590	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,2-oxybis(1-Chloropropane)	5,000.000	J	1900	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,3,4,6-Tetrachlorophenol	4,000.000	J	1700	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,4,5-Trichlorophenol	4,600.000	J	910	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,4,6-Trichlorophenol	4,100.000	J	1100	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,4-Dichlorophenol	4,600.000	J	710	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,4-Dimethylphenol	2,700.000	J	560	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,4-Dinitrophenol	4,800.000	J	3400	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,4-Dinitrotoluene	4,500.000	J	910	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2,6-Dinitrotoluene	4,600.000	J	1400	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2-Chloronaphthalene	4,700.000	J	810	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2-Chlorophenol	4,600.000	J	1400	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2-Methylnaphthalene	4,800.000		720	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2-Methylphenol	4,500.000	J	1100	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2-Nitroaniline	4,400.000	J	1500	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	2-Nitrophenol	4,500.000	J	830	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	3,3-Dichlorobenzidine	4,300.000	J	1900	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	3-Nitroaniline	4,900.000	J	1200	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4,6-Dinitro-2-methylphenol	4,600.000	J	2400	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Bromophenyl-phenylether	4,600.000	J	1800	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Chloro-3-methylphenol	4,600.000	J	1000	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Chloroaniline	4,700.000	J	860	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Chlorophenyl-phenylether	4,600.000	J	1100	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Methylphenol	4,400.000	J	1400	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Nitroaniline	4,700.000	J	1100	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	4-Nitrophenol	5,200.000	J	1500	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Acenaphthene	4,800.000		740	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Acenaphthylene	4,500.000	J	830	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Acetophenone	4,700.000	J	1400	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Anthracene	4,300.000	J	540	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Atrazine	5,500.000	J	2000	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Benzaldehyde	5,600.000	J	2000	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Benzo(a)anthracene	4,600.000	J	730	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Benzo(a)pyrene	4,900.000		940	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Benzo(b)fluoranthene	5,100.000		920	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Benzo(g,h,i)perylene	4,900.000		860	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Benzo(k)fluoranthene	4,900.000		800	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Bis(2-Chloroethoxy)methane	4,700.000	J	920	4800	ug/Kg

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

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

Hit Summary Sheet
SW-846

SDG No.: BG052224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Bis(2-Chloroethyl)ether	4,600.000	J	1800	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Bis(2-ethylhexyl)phthalate	4,700.000	J	540	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Butylbenzylphthalate	4,600.000	J	500	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Caprolactam	5,300.000	J	1900	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Carbazole	4,700.000	J	900	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Chrysene	4,600.000	J	620	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Di-n-butylphthalate	4,900.000		810	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Di-n-octyl phthalate	5,100.000	J	1200	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Dibenzo(a,h)anthracene	5,000.000		730	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Dibenzofuran	4,800.000		740	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Diethylphthalate	4,800.000		1600	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Dimethylphthalate	4,700.000	J	780	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Fluoranthene	4,600.000	J	570	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Fluorene	4,800.000		1600	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Hexachlorobenzene	4,500.000	J	2100	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Hexachlorobutadiene	4,600.000	J	1100	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Hexachlorocyclopentadiene	4,300.000	J	2500	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Hexachloroethane	4,500.000	J	1600	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Indeno(1,2,3-cd)pyrene	4,900.000		890	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Isophorone	4,600.000	J	1000	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	N-Nitroso-di-n-propylamine	5,100.000		2000	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	N-Nitrosodiphenylamine	4,400.000	J	2700	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Naphthalene	4,800.000		530	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Nitrobenzene	4,700.000	J	1700	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Pentachlorobenzene	4,700.000	J	2000	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Pentachlorophenol	4,900.000	J	3100	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Phenanthrene	4,800.000		660	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Phenol	4,500.000	J	1400	9500	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Pyrene	4,700.000	J	590	4800	ug/Kg
P2409-05	MDL-MED-SOIL-QT2-2	Solid	Pyridine	4,600.000	J	3300	9500	ug/Kg
			Total Svoc :	**333,300.00**				
			Total Concentration:	**333,300.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052024 SAS No.: BG052024 SDG No.: BG052024

Instrument ID: Calibration Date(s): 5/20/2024

Calibration Time(s): 11:34

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.314	0.413	0.400	0.398	0.386		0.382	10.3
Benzaldehyde		0.914	0.924	0.905	0.762	0.577	0.816	18.3
Pyridine		1.173	1.186	1.193	1.196	1.186	1.187	0.7
Hexachloroethane	0.528	0.560	0.532	0.585	0.565		0.554	4.2
Nitrobenzene	0.388	0.405	0.407	0.415	0.425		0.408	3.4
Isophorone	0.797	0.821	0.815	0.812	0.799		0.809	1.3
2-Nitrophenol	0.177	0.185	0.199	0.195	0.195		0.190	4.7
2,4-Dimethylphenol	0.378	0.386	0.402	0.397	0.394		0.391	2.4
Bis(2-Chloroethoxy)methane	0.423	0.424	0.425	0.427	0.421		0.424	0.5
2,4-Dichlorophenol	0.315	0.331	0.329	0.343	0.344		0.332	3.6
Naphthalene	1.040	1.077	1.045	1.062	1.054		1.056	1.4
4-Chloroaniline		0.463	0.433	0.443	0.436	0.412	0.437	4.2
Hexachlorobutadiene	0.344	0.337	0.329	0.341	0.335		0.337	1.8
Phenol		1.538	1.552	1.610	1.641	1.627	1.594	2.9
Caprolactam		0.112	0.114	0.106	0.103	0.097	0.107	6.3
4-Chloro-3-methylphenol	0.372	0.401	0.403	0.399	0.389		0.393	3.2
1-Methylnaphthalene	0.749	0.779	0.759	0.749	0.739		0.755	2.0
2-Methylnaphthalene	0.747	0.766	0.753	0.750	0.751		0.753	1.0
Hexachlorocyclopentadiene		0.129	0.205	0.304	0.377	0.433	0.290	42.7
2,4,6-Trichlorophenol	0.355	0.363	0.388	0.405	0.414		0.385	6.6
2,4,5-Trichlorophenol	0.366	0.390	0.396	0.427	0.436		0.403	7.1
1,1-Biphenyl	1.279	1.312	1.319	1.375	1.337		1.324	2.7
2-Chloronaphthalene	0.998	1.051	1.057	1.091	1.075		1.054	3.3
2-Nitroaniline	0.388	0.410	0.404	0.418	0.425		0.409	3.6
Bis(2-Chloroethyl)ether		1.184	1.205	1.226	1.205	1.167	1.197	1.9
Dimethylphthalate	1.495	1.547	1.507	1.531	1.478		1.512	1.8
2,6-Dinitrotoluene	0.277	0.299	0.304	0.312	0.307		0.300	4.6
Acenaphthylene	1.716	1.783	1.778	1.814	1.761		1.770	2.0
3-Nitroaniline		0.276	0.262	0.267	0.253	0.236	0.259	5.8
Acenaphthene	1.162	1.191	1.183	1.202	1.179		1.183	1.3
2,4-Dinitrophenol		0.075	0.103	0.144	0.176	0.193	0.138	35.5
4-Nitrophenol		0.158	0.180	0.206	0.225	0.227	0.199	15.0
Dibenzofuran	1.605	1.686	1.639	1.665	1.617		1.642	2.0
2,4-Dinitrotoluene	0.418	0.444	0.459	0.454	0.454		0.446	3.7
Diethylphthalate	1.496	1.498	1.467	1.467	1.427		1.471	2.0
2-Chlorophenol	1.209	1.226	1.254	1.303	1.293		1.257	3.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052024 SAS No.: BG052024 SDG No.: BG052024

Instrument ID: Calibration Date(s): 5/20/2024

Calibration Time(s): 11:34

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.397	1.413	1.407	1.401	1.381		1.400	0.9
4-Chlorophenyl-phenylether	0.849	0.867	0.834	0.827	0.818		0.839	2.3
4-Nitroaniline		0.262	0.284	0.268	0.258	0.241	0.263	5.9
4,6-Dinitro-2-methylphenol		0.100	0.115	0.126	0.132	0.130	0.121	11.0
N-Nitrosodiphenylamine	0.519	0.494	0.508	0.529	0.521		0.514	2.6
1,2,4,5-Tetrachlorobenzene	0.698	0.694	0.696	0.727	0.730		0.709	2.5
4-Bromophenyl-phenylether	0.235	0.244	0.243	0.252	0.251		0.245	2.7
Hexachlorobenzene	0.284	0.272	0.270	0.277	0.272		0.275	2.1
Atrazine		0.219	0.193	0.210	0.193	0.175	0.198	8.6
Pentachlorophenol		0.041	0.065	0.086	0.099	0.116	0.082	36.0
2-Methylphenol		1.153	1.184	1.259	1.255	1.232	1.217	3.8
Phenanthrene	0.936	0.973	0.975	0.978	0.974		0.967	1.8
Pentachlorobenzene	0.309	0.308	0.306	0.324	0.330		0.315	3.4
Anthracene	0.988	0.993	1.003	1.007	1.000		0.998	0.8
1,2,3,4-Tetrachlorobenzene	0.282	0.287	0.290	0.314	0.324		0.299	6.2
Carbazole		0.804	0.813	0.818	0.810	0.776	0.804	2.1
Di-n-butylphthalate	0.998	0.991	0.988	1.018	0.986		0.996	1.3
Fluoranthene	1.237	1.290	1.286	1.272	1.248		1.267	1.8
Pyrene	1.284	1.308	1.302	1.310	1.259		1.293	1.7
Butylbenzylphthalate	0.444	0.440	0.453	0.450	0.450		0.448	1.2
3,3-Dichlorobenzidine		0.457	0.452	0.449	0.411	0.349	0.424	10.8
2,2-oxybis(1-Chloropropane)		3.055	3.068	3.206	3.142	3.000	3.094	2.6
Benzo(a)anthracene	1.366	1.382	1.377	1.394	1.377		1.379	0.7
Chrysene	1.246	1.286	1.268	1.283	1.278		1.272	1.3
Bis(2-ethylhexyl)phthalate	0.645	0.629	0.637	0.642	0.638		0.638	0.9
Di-n-octyl phthalate		0.987	0.964	1.016	0.997	0.945	0.982	2.8
Benzo(b)fluoranthene	1.180	1.164	1.154	1.206	1.223		1.185	2.4
Benzo(k)fluoranthene	1.180	1.224	1.148	1.238	1.168		1.191	3.2
Benzo(a)pyrene	1.137	1.119	1.097	1.151	1.141		1.129	1.9
Indeno(1,2,3-cd)pyrene	1.344	1.312	1.306	1.384	1.393		1.348	3.0
Dibenzo(a,h)anthracene	1.107	1.106	1.071	1.157	1.159		1.120	3.3
Benzo(g,h,i)perylene	1.066	1.067	1.034	1.102	1.106		1.075	2.8
Acetophenone		2.173	2.148	2.272	2.223	2.140	2.191	2.5
2,3,4,6-Tetrachlorophenol	0.273	0.317	0.344	0.373	0.394		0.340	14.0
1,4-Dioxane-d8	0.282	0.340	0.366	0.371	0.345		0.341	10.4
Pyridine-d5		1.139	1.172	1.153	1.184	1.173	1.164	1.6

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052024 SAS No.: BG052024 SDG No.: BG052024

Instrument ID: Calibration Date(s): 5/20/2024

Calibration Time(s): 11:34

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.486	1.472	1.597	1.583	1.596	1.547	4.0
Bis-(2-Chloroethyl)ether-d8		0.948	0.972	1.000	0.986	0.973	0.976	2.0
2-Chlorophenol-d4	1.034	1.131	1.141	1.218	1.219		1.149	6.6
4-Methylphenol-d8		1.284	1.308	1.394	1.360	1.344	1.338	3.2
Nitrobenzene-d5	0.144	0.149	0.150	0.155	0.158		0.151	3.3
2-Nitrophenol-d4	0.173	0.183	0.181	0.183	0.185		0.181	2.5
2,4-Dichlorophenol-d3	0.367	0.366	0.363	0.373	0.369		0.367	1.0
4-Chloroaniline-d4		0.477	0.457	0.453	0.446	0.424	0.451	4.2
4-Methylphenol		1.362	1.360	1.409	1.365	1.340	1.367	1.8
Dimethylphthalate-d6	1.478	1.471	1.429	1.455	1.433		1.453	1.5
Acenaphthylene-d8	1.577	1.641	1.585	1.636	1.603		1.608	1.8
4-Nitrophenol-d4		0.133	0.157	0.171	0.184	0.187	0.166	13.4
Fluorene-d10	1.295	1.342	1.293	1.307	1.274		1.302	1.9
4,6-Dinitro-2-methylphenol-		0.094	0.113	0.123	0.127	0.126	0.117	11.7
Anthracene-d10	0.886	0.893	0.878	0.900	0.891		0.890	0.9
Pyrene-d10	1.051	1.057	1.072	1.061	1.026		1.053	1.6
Benzo(a)pyrene-d12	0.941	0.946	0.933	0.979	0.971		0.954	2.1
N-Nitroso-di-n-propylamine	1.121	1.216	1.190	1.216	1.180		1.185	3.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: Calibration Date(s): 5/21/2024

Calibration Time(s): 10:31

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.512	0.417	0.413	0.390	0.413		0.429	11.1
Benzaldehyde		0.937	1.036	0.973	0.795	0.552	0.859	22.5
Pyridine		1.281	1.256	1.293	1.247	1.210	1.258	2.6
Hexachloroethane	0.513	0.597	0.582	0.589	0.576		0.572	5.9
Nitrobenzene	0.428	0.414	0.422	0.427	0.421		0.422	1.3
Isophorone	0.860	0.861	0.881	0.862	0.831		0.859	2.1
2-Nitrophenol	0.191	0.197	0.195	0.198	0.197		0.196	1.4
2,4-Dimethylphenol	0.367	0.377	0.399	0.393	0.401		0.388	3.8
Bis(2-Chloroethoxy)methane	0.411	0.430	0.440	0.441	0.431		0.431	2.8
2,4-Dichlorophenol	0.302	0.317	0.321	0.340	0.337		0.324	4.8
Naphthalene	1.047	1.060	1.047	1.074	1.049		1.056	1.1
4-Chloroaniline		0.476	0.457	0.469	0.455	0.427	0.457	4.1
Hexachlorobutadiene	0.323	0.306	0.320	0.317	0.316		0.316	2.0
Phenol		1.530	1.670	1.712	1.749	1.705	1.673	5.1
Caprolactam		0.133	0.133	0.128	0.118	0.107	0.124	8.9
4-Chloro-3-methylphenol	0.411	0.412	0.426	0.423	0.420		0.418	1.6
1-Methylnaphthalene	0.785	0.792	0.782	0.798	0.770		0.786	1.4
2-Methylnaphthalene	0.760	0.750	0.773	0.778	0.766		0.766	1.4
Hexachlorocyclopentadiene		0.126	0.322	0.291	0.352	0.400	0.298	35.1
2,4,6-Trichlorophenol	0.327	0.353	0.378	0.392	0.410		0.372	8.7
2,4,5-Trichlorophenol	0.338	0.370	0.396	0.411	0.444		0.392	10.3
1,1-Biphenyl	1.293	1.313	1.279	1.295	1.285		1.293	1.0
2-Chloronaphthalene	0.984	1.021	1.005	1.031	1.049		1.018	2.4
2-Nitroaniline	0.407	0.428	0.413	0.421	0.431		0.420	2.4
Bis(2-Chloroethyl)ether		1.197	1.245	1.235	1.259	1.184	1.224	2.6
Dimethylphthalate	1.723	1.666	1.570	1.572	1.552		1.617	4.6
2,6-Dinitrotoluene	0.308	0.316	0.314	0.321	0.326		0.317	2.1
Acenaphthylene	1.804	1.803	1.760	1.777	1.797		1.788	1.1
3-Nitroaniline		0.287	0.282	0.283	0.277	0.246	0.275	6.0
Acenaphthene	1.177	1.171	1.165	1.164	1.189		1.173	0.9
2,4-Dinitrophenol		0.119	0.147	0.175	0.199	0.201	0.168	20.8
4-Nitrophenol		0.188	0.222	0.234	0.250	0.234	0.225	10.3
Dibenzofuran	1.716	1.705	1.637	1.662	1.667		1.677	1.9
2,4-Dinitrotoluene	0.484	0.483	0.487	0.480	0.477		0.482	0.8
Diethylphthalate	1.687	1.661	1.553	1.568	1.513		1.597	4.7
2-Chlorophenol	1.201	1.247	1.328	1.317	1.330		1.285	4.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: Calibration Date(s): 5/21/2024

Calibration Time(s): 10:31

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.464	1.501	1.438	1.439	1.414		1.451	2.3
4-Chlorophenyl-phenylether	0.870	0.851	0.854	0.844	0.838		0.851	1.4
4-Nitroaniline		0.293	0.300	0.303	0.287	0.250	0.287	7.4
4,6-Dinitro-2-methylphenol		0.114	0.125	0.129	0.133	0.134	0.127	6.2
N-Nitrosodiphenylamine	0.476	0.511	0.508	0.509	0.510		0.503	3.0
1,2,4,5-Tetrachlorobenzene	0.640	0.651	0.633	0.678	0.699		0.660	4.2
4-Bromophenyl-phenylether	0.213	0.243	0.242	0.243	0.245		0.237	5.8
Hexachlorobenzene	0.250	0.260	0.269	0.270	0.268		0.263	3.1
Atrazine		0.224	0.201	0.208	0.188	0.174	0.199	9.5
Pentachlorophenol		0.058	0.078	0.090	0.111	0.122	0.092	27.6
2-Methylphenol		1.228	1.339	1.374	1.345	1.199	1.297	6.0
Phenanthrene	0.966	0.975	0.972	0.983	0.958		0.971	1.0
Pentachlorobenzene	0.277	0.287	0.295	0.297	0.305		0.292	3.6
Anthracene	1.005	1.014	1.003	1.001	0.996		1.004	0.7
1,2,3,4-Tetrachlorobenzene	0.242	0.258	0.268	0.270	0.284		0.264	6.0
Carbazole		0.825	0.840	0.826	0.814	0.778	0.816	2.9
Di-n-butylphthalate	1.012	1.028	1.035	1.029	1.012		1.023	1.0
Fluoranthene	1.198	1.249	1.206	1.297	1.209		1.232	3.4
Pyrene	1.260	1.330	1.246	1.317	1.241		1.279	3.2
Butylbenzylphthalate	0.414	0.429	0.452	0.451	0.451		0.439	3.9
3,3-Dichlorobenzidine		0.454	0.453	0.460	0.416	0.339	0.425	12.0
2,2-oxybis(1-Chloropropane)		3.303	3.459	3.415	3.404	2.947	3.306	6.3
Benzo(a)anthracene	1.334	1.387	1.390	1.413	1.376		1.380	2.1
Chrysene	1.229	1.276	1.275	1.303	1.270		1.271	2.1
Bis(2-ethylhexyl)phthalate	0.634	0.642	0.654	0.663	0.658		0.650	1.8
Di-n-octyl phthalate		1.019	0.995	1.031	1.009	0.949	1.001	3.2
Benzo(b)fluoranthene	1.147	1.221	1.164	1.213	1.209		1.191	2.8
Benzo(k)fluoranthene	1.170	1.191	1.220	1.246	1.219		1.209	2.4
Benzo(a)pyrene	1.069	1.142	1.119	1.161	1.164		1.131	3.5
Indeno(1,2,3-cd)pyrene	1.322	1.376	1.337	1.397	1.405		1.367	2.7
Dibenzo(a,h)anthracene	1.052	1.130	1.116	1.164	1.176		1.128	4.3
Benzo(g,h,i)perylene	1.054	1.085	1.067	1.115	1.116		1.088	2.6
Acetophenone		2.465	2.526	2.464	2.399	2.098	2.390	7.1
2,3,4,6-Tetrachlorophenol	0.287	0.344	0.362	0.385	0.409		0.357	12.9
1,4-Dioxane-d8	0.351	0.330	0.365	0.361	0.380		0.357	5.1
Pyridine-d5		1.354	1.285	1.276	1.236	1.206	1.271	4.4

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: Calibration Date(s): 5/21/2024

Calibration Time(s): 10:31

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.505	1.723	1.655	1.677	1.652	1.642	5.0
Bis-(2-Chloroethyl)ether-d8		1.013	1.043	1.063	1.057	0.986	1.032	3.1
2-Chlorophenol-d4	1.140	1.133	1.267	1.259	1.278		1.216	5.9
4-Methylphenol-d8		1.312	1.489	1.452	1.439	1.311	1.400	6.0
Nitrobenzene-d5	0.148	0.153	0.158	0.157	0.155		0.154	2.7
2-Nitrophenol-d4	0.174	0.172	0.181	0.187	0.186		0.180	3.7
2,4-Dichlorophenol-d3	0.315	0.344	0.359	0.369	0.371		0.351	6.5
4-Chloroaniline-d4		0.469	0.463	0.473	0.461	0.433	0.460	3.4
4-Methylphenol		1.351	1.564	1.490	1.465	1.314	1.437	7.1
Dimethylphthalate-d6	1.612	1.613	1.518	1.523	1.491		1.551	3.7
Acenaphthylene-d8	1.608	1.650	1.579	1.594	1.633		1.613	1.8
4-Nitrophenol-d4		0.169	0.187	0.203	0.207	0.194	0.192	7.8
Fluorene-d10	1.347	1.384	1.307	1.320	1.338		1.339	2.2
4,6-Dinitro-2-methylphenol-		0.104	0.121	0.123	0.127	0.129	0.121	8.4
Anthracene-d10	0.890	0.877	0.881	0.885	0.876		0.882	0.7
Pyrene-d10	0.991	1.038	1.018	1.073	1.014		1.027	3.0
Benzo(a)pyrene-d12	0.932	0.956	0.950	0.983	0.988		0.962	2.4
N-Nitroso-di-n-propylamine	1.229	1.368	1.398	1.307	1.269		1.314	5.3

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020415 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 09:57

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	25492	7.922	107957	10.71	92277	14.55
	UPPER LIMIT	50984	8.422	215914	11.213	184554	15.05
	LOWER LIMIT	12746	7.422	53978.5	10.213	46138.5	14.05
	EPA SAMPLE NO.						
01	SBLK893	16363	7.89	75177	10.68	64943	14.52
02	SBLK893	16363	7.89	75177	10.68	64943	14.52
03	SBLK893	16363	7.89	75177	10.68	64943	14.52
04	SBLK893	16363	7.89	75177	10.68	64943	14.52
05	SBLK893	16363	7.89	75177	10.68	64943	14.52
06	SBLK893	16363	7.89	75177	10.68	64943	14.52
07	SBLK893	16363	7.89	75177	10.68	64943	14.52
08	SBLK893	16363	7.89	75177	10.68	64943	14.52
09	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
10	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
11	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
12	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
13	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
14	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
15	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
16	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
17	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
18	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
19	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
20	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
21	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
22	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
23	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020415 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 14:38

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	20969	7.889	99753	10.69	91870	14.52
	UPPER LIMIT	41938	8.389	199506	11.185	183740	15.022
	LOWER LIMIT	10484.5	7.389	49876.5	10.185	45935	14.022
	EPA SAMPLE NO.						
24	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
25	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
26	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
27	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
28	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
29	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
30	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
31	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
32	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
33	SBLK896	18381	7.88	80029	10.68	70702	14.52
34	SBLK896	18381	7.88	80029	10.68	70702	14.52
35	SBLK896	18381	7.88	80029	10.68	70702	14.52
36	SBLK896	18381	7.88	80029	10.68	70702	14.52
37	SBLK896	18381	7.88	80029	10.68	70702	14.52
38	SBLK896	18381	7.88	80029	10.68	70702	14.52
39	SBLK896	18381	7.88	80029	10.68	70702	14.52
40	SBLK896	18381	7.88	80029	10.68	70702	14.52
41	SBLK897	17187	7.89	79520	10.68	70752	14.52
42	SBLK897	17187	7.89	79520	10.68	70752	14.52
43	SBLK897	17187	7.89	79520	10.68	70752	14.52
44	SBLK897	17187	7.89	79520	10.68	70752	14.52
45	SBLK897	17187	7.89	79520	10.68	70752	14.52
46	SBLK897	17187	7.89	79520	10.68	70752	14.52

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020415 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 16:43

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	20969	7.889	107957	10.71	91870	14.52
	UPPER LIMIT	41938	8.389	215914	11.213	183740	15.022
	LOWER LIMIT	10484.5	7.389	53978.5	10.213	45935	14.022
	EPA SAMPLE NO.						
47	SBLK897	17187	7.89	79520	10.68	70752	14.52
48	SBLK897	17187	7.89	79520	10.68	70752	14.52

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020491 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061257.D Time Analyzed: 09:57

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	20950	7.882	86159	10.68	76122	14.52
	UPPER LIMIT	41900	8.382	172318	11.178	152244	15.021
	LOWER LIMIT	10475	7.382	43079.5	10.178	38061	14.021
	EPA SAMPLE NO.						
01	SBLK893	16363	7.89	75177	10.68	64943	14.52
02	MDL-WATER-QT2-2024-03	27710	7.88	107520	10.68	90392	14.52
03	MDL-SOIL-QT2-2024-03	24290	7.88	109499	10.68	95023	14.52
04	MDL-MED-SOIL-QT2-2024-03	24922	7.89	112116	10.68	98070	14.52
05	SBLK896	18381	7.88	80029	10.68	70702	14.52
06	SBLK897	17187	7.89	79520	10.68	70752	14.52

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020415 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 09:57

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	222703	17.299	214738	21.553	244378	24.661
	UPPER LIMIT	445406	17.799	429476	22.053	488756	25.161
	LOWER LIMIT	111351.5	16.799	107369	21.053	122189	24.161
	EPA SAMPLE NO.						
01	SBLK893	175105	17.27	185558	21.52	209687	24.60
02	SBLK893	175105	17.27	185558	21.52	209687	24.60
03	SBLK893	175105	17.27	185558	21.52	209687	24.60
04	SBLK893	175105	17.27	185558	21.52	209687	24.60
05	SBLK893	175105	17.27	185558	21.52	209687	24.60
06	SBLK893	175105	17.27	185558	21.52	209687	24.60
07	SBLK893	175105	17.27	185558	21.52	209687	24.60
08	SBLK893	175105	17.27	185558	21.52	209687	24.60
09	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
10	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
11	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
12	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
13	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
14	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
15	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
16	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
17	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
18	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
19	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
20	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
21	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020415 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 14:38

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	227826	17.272	214738	21.553	270964	24.61
	UPPER LIMIT	455652	17.772	429476	22.053	541928	25.11
	LOWER LIMIT	113913	16.772	107369	21.053	135482	24.11
	EPA SAMPLE NO.						
22	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
23	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
24	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
25	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
26	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
27	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
28	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
29	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
30	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
31	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
32	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
33	SBLK896	196713	17.27	212722	21.52	230942	24.60
34	SBLK896	196713	17.27	212722	21.52	230942	24.60
35	SBLK896	196713	17.27	212722	21.52	230942	24.60
36	SBLK896	196713	17.27	212722	21.52	230942	24.60
37	SBLK896	196713	17.27	212722	21.52	230942	24.60
38	SBLK896	196713	17.27	212722	21.52	230942	24.60
39	SBLK896	196713	17.27	212722	21.52	230942	24.60
40	SBLK896	196713	17.27	212722	21.52	230942	24.60
41	SBLK897	196859	17.27	211552	21.52	237824	24.60
42	SBLK897	196859	17.27	211552	21.52	237824	24.60

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020415 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 16:43

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	222703	17.299	240370	21.52	244378	24.661
	UPPER LIMIT	445406	17.799	480740	22.02	488756	25.161
	LOWER LIMIT	111351.5	16.799	120185	21.02	122189	24.161
	EPA SAMPLE NO.						
43	SBLK897	196859	17.27	211552	21.52	237824	24.60
44	SBLK897	196859	17.27	211552	21.52	237824	24.60
45	SBLK897	196859	17.27	211552	21.52	237824	24.60
46	SBLK897	196859	17.27	211552	21.52	237824	24.60
47	SBLK897	196859	17.27	211552	21.52	237824	24.60
48	SBLK897	196859	17.27	211552	21.52	237824	24.60

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

EPA Sample No.: SSTD020491 Date Analyzed: May 22 2024 12:00AM

Lab File ID: BG061257.D Time Analyzed: 09:57

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	190147	17.271	197298	21.524	220445	24.603
	UPPER LIMIT	380294	17.771	394596	22.024	440890	25.103
	LOWER LIMIT	95073.5	16.771	98649	21.024	110222.5	24.103
	EPA SAMPLE NO.						
01	SBLK893	175105	17.27	185558	21.52	209687	24.60
02	MDL-WATER-QT2-2024-03	249345	17.27	265045	21.52	282772	24.61
03	MDL-SOIL-QT2-2024-03	251909	17.27	267612	21.52	286951	24.61
04	MDL-MED-SOIL-QT2-2024-03	263903	17.27	284148	21.52	291271	24.60
05	SBLK896	196713	17.27	212722	21.52	230942	24.60
06	SBLK897	196859	17.27	211552	21.52	237824	24.60

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.

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK893

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

Lab File ID: BG061258.D Lab Sample ID: PB160893BL

Instrument ID: BNA_G Date Extracted: 05/13/2024

Matrix: (soil/water) Water Date Analyzed: 05/22/2024

Level: (low/med) LOW Time Analyzed: 09:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-WATER-QT2-2024-03	P2409-01	BG061259.D	05/22/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK896

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

Lab File ID: BG061262.D Lab Sample ID: PB160896BL

Instrument ID: BNA_G Date Extracted: 05/13/2024

Matrix: (soil/water) Solid Date Analyzed: 05/22/2024

Level: (low/med) LOW Time Analyzed: 16:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-SOIL-QT2-2024-03	P2409-03	BG061260.D	05/22/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK897

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052224 SAS No.: BG052224 SDG NO.: BG052224

Lab File ID: BG061263.D Lab Sample ID: PB160897BL

Instrument ID: BNA_G Date Extracted: 05/13/2024

Matrix: (soil/water) Solid Date Analyzed: 05/22/2024

Level: (low/med) MED Time Analyzed: 16:43

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-QT2-2024-03	P2409-05	BG061261.D	05/22/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BG052224

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2409-01	MDL-WATER-QT2	BG061259.D	1,4-Dioxane-d8	8	4.87	61		15	120
			Pyridine-d5	40	23.27	58		20	120
			Phenol-d5	40	22.37	56		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.57	59		25	120
			2-Chlorophenol-d4	40	23.06	58		20	130
			4-Methylphenol-d8	40	19.14	48		25	125
			Nitrobenzene-d5	40	23.66	59		20	125
			2-Nitrophenol-d4	40	22.99	57		20	130
			2,4-Dichlorophenol-d3	40	21.54	54		20	120
			4-Chloroaniline-d4	40	21.67	54		1	146
			Dimethylphthalate-d6	40	22.95	57		25	130
			Acenaphthylene-d8	40	23.34	58		10	130
			4-Nitrophenol-d4	40	23.66	59		10	150
			Fluorene-d10	40	23.80	60		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.31	51		10	130
			Anthracene-d10	40	21.06	53		25	130
			Pyrene-d10	40	22.33	56		15	130
			Benzo(a)pyrene-d12	40	23.59	59		20	130
PB160893BL	PB160893BL	BG061258.D	Pyridine-d5	40	35.75	89		20	120
			1,4-Dioxane-d8	8	7.97	100		15	120
			Phenol-d5	40	28.97	72		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.83	82		25	120
			2-Chlorophenol-d4	40	31.66	79		20	130
			4-Methylphenol-d8	40	30.59	76		25	125
			Nitrobenzene-d5	40	30.30	76		20	125
			2-Nitrophenol-d4	40	30.72	77		20	130
			2,4-Dichlorophenol-d3	40	27.64	69		20	120
			4-Chloroaniline-d4	40	31.38	78		1	146
			Dimethylphthalate-d6	40	33.42	84		25	130
			Acenaphthylene-d8	40	31.42	79		10	130
			4-Nitrophenol-d4	40	31.85	80		10	150
			Fluorene-d10	40	31.91	80		25	125
			4,6-Dinitro-2-methylphenol-d2	40	27.13	68		10	130
			Anthracene-d10	40	32.36	81		25	130
			Pyrene-d10	40	32.64	82		15	130
			Benzo(a)pyrene-d12	40	32.26	81		20	130

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Surrogate Summary

SW-846

SDG No.: BG052224

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2409-03	MDL-SOIL-QT2-2(	BG061260.D	1,4-Dioxane-d8	8	5.99	75		15	120
			Pyridine-d5	40	26.54	66		20	120
			Phenol-d5	40	22.22	56		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.02	58		10	150
			2-Chlorophenol-d4	40	22.67	57		15	120
			4-Methylphenol-d8	40	22.24	56		10	140
			Nitrobenzene-d5	40	22.50	56		10	135
			2-Nitrophenol-d4	40	22.45	56		10	120
			2,4-Dichlorophenol-d3	40	21.35	53		10	140
			4-Chloroaniline-d4	40	22.36	56		1	145
			Dimethylphthalate-d6	40	22.65	57		10	145
			Acenaphthylene-d8	40	22.65	57		15	120
			4-Nitrophenol-d4	40	23.01	58		10	150
			Fluorene-d10	40	23.13	58		20	140
			4,6-Dinitro-2-methylphenol-d2	40	20.89	52		10	130
			Anthracene-d10	40	20.58	51		10	150
			Pyrene-d10	40	22.66	57		10	130
			Benzo(a)pyrene-d12	40	23.69	59		10	140
PB160896BL	PB160896BL	BG061262.D	1,4-Dioxane-d8	8	6.71	84		15	120
			Pyridine-d5	40	30.55	76		20	120
			Phenol-d5	40	26.63	67		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.77	74		10	150
			2-Chlorophenol-d4	40	29.24	73		15	120
			4-Methylphenol-d8	40	27.87	70		10	140
			Nitrobenzene-d5	40	30.50	76		10	135
			2-Nitrophenol-d4	40	29.66	74		10	120
			2,4-Dichlorophenol-d3	40	27.62	69		10	140
			4-Chloroaniline-d4	40	30.38	76		1	145
			Dimethylphthalate-d6	40	32.15	80		10	145
			Acenaphthylene-d8	40	30.28	76		15	120
			4-Nitrophenol-d4	40	29.55	74		10	150
			Fluorene-d10	40	31.14	78		20	140
			4,6-Dinitro-2-methylphenol-d2	40	25.33	63		10	130
			Anthracene-d10	40	30.95	77		10	150
			Pyrene-d10	40	31.21	78		10	130
			Benzo(a)pyrene-d12	40	31.21	78		10	140

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Surrogate Summary

SW-846

SDG No.: BG052224

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2409-05	MDL-MED-SOIL-(	BG061261.D	Pyridine-d5	40	22.48	56		20	120
			1,4-Dioxane-d8	8	5.36	67		15	120
			Phenol-d5	40	22.26	56		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.34	58		10	150
			2-Chlorophenol-d4	40	22.59	56		15	120
			4-Methylphenol-d8	40	21.91	55		10	140
			Nitrobenzene-d5	40	23.18	58		10	135
			2-Nitrophenol-d4	40	22.31	56		10	120
			2,4-Dichlorophenol-d3	40	21.10	53		10	140
			4-Chloroaniline-d4	40	22.29	56		1	145
			Dimethylphthalate-d6	40	22.48	56		10	145
			Acenaphthylene-d8	40	22.76	57		15	120
			4-Nitrophenol-d4	40	23.08	58		10	150
			Fluorene-d10	40	23.22	58		20	140
			4,6-Dinitro-2-methylphenol-d2	40	20.22	51		10	130
			Anthracene-d10	40	20.98	52		10	150
			Pyrene-d10	40	22.34	56		10	130
			Benzo(a)pyrene-d12	40	23.62	59		10	140
PB160897BL	PB160897BL	BG061263.D	1,4-Dioxane-d8	8	7.67	96		15	120
			Pyridine-d5	40	36.16	90		20	120
			Phenol-d5	40	28.87	72		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.82	80		10	150
			2-Chlorophenol-d4	40	31.88	80		15	120
			4-Methylphenol-d8	40	30.19	75		10	140
			Nitrobenzene-d5	40	31.47	79		10	135
			2-Nitrophenol-d4	40	29.83	75		10	120
			2,4-Dichlorophenol-d3	40	27.68	69		10	140
			4-Chloroaniline-d4	40	31.77	79		1	145
			Dimethylphthalate-d6	40	33.48	84		10	145
			Acenaphthylene-d8	40	31.14	78		15	120
			4-Nitrophenol-d4	40	29.47	74		10	150
			Fluorene-d10	40	31.83	80		20	140
			4,6-Dinitro-2-methylphenol-d2	40	23.95	60		10	130
			Anthracene-d10	40	31.31	78		10	150
			Pyrene-d10	40	32.39	81		10	130
			Benzo(a)pyrene-d12	40	32.03	80		10	140

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG052224

Lab Code: CHEM SAS No.: BG052224 SDG NO.: BG052224

Lab File ID: BG061256.D DFTPP Injection Date: 05/22/2024

Instrument ID: BNA_G DFTPP Injection Time: 07:11

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.9
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	33.1
70	Less than 2.0% of mass 69	0.1 (0.2) 1
127	10.0 - 80.0% of mass 198	40
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	32.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.2 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020491	SSTDCCC020	BG061257.D	05/22/2024	09:16
SBLK893	PB160893BL	BG061258.D	05/22/2024	09:57
MDL-WATER-QT2-2024-03	P2409-01	BG061259.D	05/22/2024	13:57
MDL-SOIL-QT2-2024-03	P2409-03	BG061260.D	05/22/2024	14:38
MDL-MED-SOIL-QT2-2024-03	P2409-05	BG061261.D	05/22/2024	15:19
SBLK896	PB160896BL	BG061262.D	05/22/2024	16:01
SBLK897	PB160897BL	BG061263.D	05/22/2024	16:43
SSTD020492	SSTDCCC020EC	BG061264.D	05/22/2024	17:25