

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG031224 SAS No.: BG031224 SDG No.: BG031224

Instrument ID: BNA_G Calibration Date/Time: 3/12/2024 1:08:35

Lab File ID: BG060612.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020489 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.562	0.475	0.010	-15.433	40.0
Benzaldehyde	0.977	1.109	0.010	13.4997	40.0
Pyridine	1.681	1.292	0.010	-23.1416	40.0
Phenol	2.085	1.888	0.080	-9.4462	20.0
Bis(2-Chloroethyl) ether	1.656	1.560	0.100	-5.8052	20.0
2-Chlorophenol	1.509	1.445	0.200	-4.2253	20.0
2-Methylphenol	1.625	1.510	0.010	-7.0287	20.0
2,2-oxybis(1-Chloropropane)	3.349	3.100	0.010	-7.4397	40.0
Acetophenone	2.731	2.577	0.060	-5.6325	20.0
4-Methylphenol	1.769	1.633	0.010	-7.7006	20.0
N-Nitroso-di-n-propylamine	1.339	1.323	0.050	-1.2234	30.0
Hexachloroethane	0.591	0.583	0.100	-1.4391	20.0
Nitrobenzene	0.356	0.354	0.050	-0.5812	25.0
Isophorone	0.846	0.817	0.050	-3.4617	25.0
2-Nitrophenol	0.145	0.139	0.050	-4.0253	25.0
2,4-Dimethylphenol	0.393	0.356	0.050	-9.4013	25.0
Bis(2-Chloroethoxy) methane	0.492	0.463	0.050	-5.8668	20.0
2,4-Dichlorophenol	0.323	0.310	0.060	-3.9981	20.0
Naphthalene	1.182	1.119	0.200	-5.3934	20.0
4-Chloroaniline	0.491	0.465	0.010	-5.3747	40.0
Hexachlorobutadiene	0.239	0.222	0.040	-7.2447	30.0
Caprolactam	0.111	0.098	0.010	-11.0682	40.0
4-Chloro-3-methylphenol	0.388	0.375	0.040	-3.2263	25.0
1-Methylnaphthalene	0.778	0.720	0.100	-7.4311	20.0
2-Methylnaphthalene	0.777	0.739	0.100	-4.9096	20.0
Hexachlorocyclopentadiene	0.401	0.380	0.010	-5.1473	40.0
2,4,6-Trichlorophenol	0.410	0.378	0.090	-7.8779	25.0
2,4,5-Trichlorophenol	0.437	0.408	0.100	-6.7132	25.0
1,1-Biphenyl	1.606	1.518	0.200	-5.4481	20.0
2-Chloronaphthalene	1.274	1.194	0.300	-6.3101	20.0
2-Nitroaniline	0.348	0.339	0.050	-2.6648	40.0
Dimethylphthalate	1.614	1.533	0.300	-5.0031	20.0
2,6-Dinitrotoluene	0.232	0.221	0.080	-4.6006	30.0
Acenaphthylene	2.122	2.021	0.400	-4.7651	20.0
3-Nitroaniline	0.273	0.256	0.010	-6.3716	40.0
Acenaphthene	1.409	1.314	0.200	-6.7369	20.0
2,4-Dinitrophenol	0.118	0.096	0.010	-18.3833	40.0
4-Nitrophenol	0.231	0.206	0.010	-10.9427	40.0
Dibenzofuran	1.891	1.781	0.300	-5.7858	20.0
2,4-Dinitrotoluene	0.315	0.317	0.070	0.6617	30.0
Diethylphthalate	1.646	1.535	0.300	-6.7433	20.0



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Lab File ID: BG060612.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020489 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.566	1.476	0.200	-5.7458	20.0
4-Chlorophenyl-phenylether	0.784	0.744	0.100	-5.0941	20.0
4-Nitroaniline	0.272	0.267	0.010	-2.0492	40.0
4,6-Dinitro-2-methylphenol	0.090	0.073	0.010	-18.3629	40.0
N-Nitrosodiphenylamine	0.639	0.607	0.050	-5.0179	20.0
1,2,4,5-Tetrachlorobenzene	0.658	0.625	0.100	-5.0393	20.0
4-Bromophenyl-phenylether	0.230	0.214	0.070	-6.8827	20.0
Hexachlorobenzene	0.275	0.261	0.050	-5.099	25.0
Atrazine	0.217	0.206	0.010	-4.6933	25.0
Pentachlorophenol	0.151	0.131	0.010	-13.2207	40.0
Phenanthrene	1.148	1.090	0.200	-5.0455	20.0
Pentachlorobenzene	0.308	0.294	0.050	-4.5086	20.0
Anthracene	1.169	1.130	0.200	-3.3622	20.0
1,2,3,4-Tetrachlorobenzene	0.299	0.290	0.050	-2.8586	20.0
Carbazole	1.002	0.951	0.050	-5.1052	40.0
Di-n-butylphthalate	1.224	1.186	0.500	-3.1365	25.0
Fluoranthene	1.430	1.368	0.400	-4.3021	25.0
Pyrene	1.498	1.428	0.400	-4.6448	25.0
Butylbenzylphthalate	0.551	0.525	0.100	-4.6814	40.0
3,3-Dichlorobenzidine	0.457	0.442	0.010	-3.3881	40.0
Benzo(a)anthracene	1.485	1.403	0.300	-5.5294	30.0
Chrysene	1.414	1.324	0.200	-6.3398	30.0
Bis(2-ethylhexyl)phthalate	0.818	0.783	0.200	-4.3659	40.0
Di-n-octyl phthalate	1.244	1.156	0.010	-7.0098	40.0
Benzo(b)fluoranthene	1.216	1.162	0.200	-4.4581	25.0
Benzo(k)fluoranthene	1.269	1.202	0.200	-5.2904	25.0
Benzo(a)pyrene	1.179	1.120	0.200	-4.9782	20.0
Indeno(1,2,3-cd)pyrene	1.456	1.382	0.200	-5.1111	25.0
Dibenzo(a,h)anthracene	1.190	1.155	0.200	-2.9855	30.0
Benzo(g,h,i)perylene	1.169	1.110	0.200	-5.1118	30.0
2,3,4,6-Tetrachlorophenol	0.372	0.347	0.040	-6.7073	20.0
1,4-Dioxane-d8	0.530	0.460	0.010	-13.1239	25.0
Pyridine-d5	1.658	1.258	0.010	-24.1305	40.0
Phenol-d5	2.061	1.867	0.010	-9.3953	25.0
Bis-(2-Chloroethyl)ether-d8	1.336	1.216	0.050	-8.952	25.0
2-Chlorophenol-d4	1.441	1.361	0.200	-5.5314	20.0
4-Methylphenol-d8	1.600	1.482	0.010	-7.3923	20.0
Nitrobenzene-d5	0.128	0.126	0.050	-1.2754	20.0
2-Nitrophenol-d4	0.126	0.113	0.050	-9.8535	30.0
2,4-Dichlorophenol-d3	0.324	0.304	0.060	-6.2244	20.0
4-Chloroaniline-d4	0.503	0.465	0.010	-7.6597	40.0



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Lab File ID: BG060612.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020489 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.586	1.479	0.300	-6.7278	20.0
Acenaphthylene-d8	1.857	1.743	0.400	-6.1301	20.0
4-Nitrophenol-d4	0.239	0.218	0.010	-8.849	40.0
Fluorene-d10	1.393	1.296	0.100	-6.9578	20.0
4,6-Dinitro-2-methylphenol-d2	0.081	0.064	0.010	-21.4253	40.0
Anthracene-d10	0.983	0.946	0.300	-3.7669	20.0
Pyrene-d10	1.205	1.146	0.300	-4.921	25.0
Benzo(a)pyrene-d12	1.035	0.975	0.010	-5.7638	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.: BG031224 SAS No.: BG031224 SDG No.: BG031224

Instrument ID: BNA_G Calibration Date/Time: 3/12/2024 1:14:38

Lab File ID: BG060619.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020490 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.562	0.508	0.010	-9.6248	50.0
Benzaldehyde	0.977	1.135	0.010	16.1944	50.0
Pyridine	1.681	1.478	0.010	-12.0882	50.0
Phenol	2.085	1.923	0.080	-7.7856	50.0
Bis(2-Chloroethyl) ether	1.656	1.533	0.100	-7.4525	50.0
2-Chlorophenol	1.509	1.464	0.200	-2.9854	50.0
2-Methylphenol	1.625	1.569	0.010	-3.4071	50.0
2,2-oxybis(1-Chloropropane)	3.349	3.181	0.010	-5.0178	50.0
Acetophenone	2.731	2.623	0.060	-3.9412	50.0
4-Methylphenol	1.769	1.693	0.010	-4.2805	50.0
N-Nitroso-di-n-propylamine	1.339	1.327	0.050	-0.9317	50.0
Hexachloroethane	0.591	0.570	0.100	-3.5422	50.0
Nitrobenzene	0.356	0.380	0.050	6.6542	50.0
Isophorone	0.846	0.834	0.050	-1.4188	50.0
2-Nitrophenol	0.145	0.156	0.050	7.7998	50.0
2,4-Dimethylphenol	0.393	0.374	0.050	-4.8731	50.0
Bis(2-Chloroethoxy) methane	0.492	0.479	0.050	-2.787	50.0
2,4-Dichlorophenol	0.323	0.313	0.060	-3.1475	50.0
Naphthalene	1.182	1.141	0.200	-3.5323	50.0
4-Chloroaniline	0.491	0.459	0.010	-6.5464	50.0
Hexachlorobutadiene	0.239	0.230	0.040	-3.6809	50.0
Caprolactam	0.111	0.108	0.010	-2.458	50.0
4-Chloro-3-methylphenol	0.388	0.380	0.040	-2.0993	50.0
1-Methylnaphthalene	0.778	0.742	0.100	-4.6798	50.0
2-Methylnaphthalene	0.777	0.750	0.100	-3.4925	50.0
Hexachlorocyclopentadiene	0.401	0.395	0.010	-1.3513	50.0
2,4,6-Trichlorophenol	0.410	0.396	0.090	-3.481	50.0
2,4,5-Trichlorophenol	0.437	0.421	0.100	-3.6857	50.0
1,1-Biphenyl	1.606	1.532	0.200	-4.5808	50.0
2-Chloronaphthalene	1.274	1.201	0.300	-5.7498	50.0
2-Nitroaniline	0.348	0.375	0.050	7.6348	50.0
Dimethylphthalate	1.614	1.514	0.300	-6.2048	50.0
2,6-Dinitrotoluene	0.232	0.258	0.080	11.3776	50.0
Acenaphthylene	2.122	2.001	0.400	-5.7048	50.0
3-Nitroaniline	0.273	0.275	0.010	0.6989	50.0
Acenaphthene	1.409	1.341	0.200	-4.7698	50.0
2,4-Dinitrophenol	0.118	0.113	0.010	-3.8889	50.0
4-Nitrophenol	0.231	0.212	0.010	-8.332	50.0
Dibenzofuran	1.891	1.765	0.300	-6.6439	50.0
2,4-Dinitrotoluene	0.315	0.354	0.070	12.234	50.0
Diethylphthalate	1.646	1.544	0.300	-6.1867	50.0



7C

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Instrument ID: BNA_G Calibration Date/Time: 3/12/2024 1:14:38

Lab File ID: BG060619.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020490 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.566	1.477	0.200	-5.6946	50.0
4-Chlorophenyl-phenylether	0.784	0.746	0.100	-4.9003	50.0
4-Nitroaniline	0.272	0.275	0.010	1.1928	50.0
4,6-Dinitro-2-methylphenol	0.090	0.090	0.010	0.092	50.0
N-Nitrosodiphenylamine	0.639	0.616	0.050	-3.578	50.0
1,2,4,5-Tetrachlorobenzene	0.658	0.616	0.100	-6.4814	50.0
4-Bromophenyl-phenylether	0.230	0.217	0.070	-5.4665	50.0
Hexachlorobenzene	0.275	0.261	0.050	-4.9801	50.0
Atrazine	0.217	0.215	0.010	-0.8262	50.0
Pentachlorophenol	0.151	0.138	0.010	-9.192	50.0
Phenanthrene	1.148	1.100	0.200	-4.1641	50.0
Pentachlorobenzene	0.308	0.286	0.050	-6.9767	50.0
Anthracene	1.169	1.131	0.200	-3.2717	50.0
1,2,3,4-Tetrachlorobenzene	0.299	0.290	0.050	-3.0007	50.0
Carbazole	1.002	0.975	0.050	-2.7164	50.0
Di-n-butylphthalate	1.224	1.208	0.500	-1.3078	50.0
Fluoranthene	1.430	1.395	0.400	-2.4458	50.0
Pyrene	1.498	1.438	0.400	-3.992	50.0
Butylbenzylphthalate	0.551	0.542	0.100	-1.6072	50.0
3,3-Dichlorobenzidine	0.457	0.448	0.010	-2.1141	50.0
Benzo(a)anthracene	1.485	1.417	0.300	-4.5926	50.0
Chrysene	1.414	1.323	0.200	-6.4667	50.0
Bis(2-ethylhexyl)phthalate	0.818	0.801	0.200	-2.1112	50.0
Di-n-octyl phthalate	1.244	1.185	0.010	-4.6831	50.0
Benzo(b)fluoranthene	1.216	1.151	0.200	-5.3317	50.0
Benzo(k)fluoranthene	1.269	1.232	0.200	-2.9384	50.0
Benzo(a)pyrene	1.179	1.124	0.200	-4.6527	50.0
Indeno(1,2,3-cd)pyrene	1.456	1.392	0.200	-4.3997	50.0
Dibenzo(a,h)anthracene	1.190	1.122	0.200	-5.7056	50.0
Benzo(g,h,i)perylene	1.169	1.109	0.200	-5.1592	50.0
2,3,4,6-Tetrachlorophenol	0.372	0.361	0.040	-2.9472	50.0
1,4-Dioxane-d8	0.530	0.480	0.010	-9.4707	50.0
Pyridine-d5	1.658	1.473	0.010	-11.1224	50.0
Phenol-d5	2.061	1.914	0.010	-7.1534	50.0
Bis-(2-Chloroethyl)ether-d8	1.336	1.238	0.050	-7.3136	50.0
2-Chlorophenol-d4	1.441	1.392	0.200	-3.42	50.0
4-Methylphenol-d8	1.600	1.571	0.010	-1.8451	50.0
Nitrobenzene-d5	0.128	0.140	0.050	9.505	50.0
2-Nitrophenol-d4	0.126	0.137	0.050	8.9805	50.0
2,4-Dichlorophenol-d3	0.324	0.316	0.060	-2.2251	50.0
4-Chloroaniline-d4	0.503	0.465	0.010	-7.5136	50.0



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Lab File ID: BG060619.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020490 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.586	1.505	0.300	-5.1049	50.0
Acenaphthylene-d8	1.857	1.771	0.400	-4.5848	50.0
4-Nitrophenol-d4	0.239	0.238	0.010	-0.5968	50.0
Fluorene-d10	1.393	1.311	0.100	-5.908	50.0
4,6-Dinitro-2-methylphenol-d2	0.081	0.077	0.010	-4.9168	50.0
Anthracene-d10	0.983	0.949	0.300	-3.4136	50.0
Pyrene-d10	1.205	1.168	0.300	-3.055	50.0
Benzo(a)pyrene-d12	1.035	1.001	0.010	-3.2845	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BG031224
Lab Sample ID:	PB159439BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060613.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	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
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

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BG031224
Lab Sample ID:	PB159439BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060613.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

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

Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BG031224
Lab Sample ID:	PB159439BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060613.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	5.774		15-120		72	SPK: -8
7291-22-7	Pyridine-d5	28.988		20-120		72	SPK: -40
4165-62-2	Phenol-d5	28.966		10-130		72	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.603		25-120		74	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.628		20-130		79	SPK: -40
190780-66-6	4-Methylphenol-d8	29.274		25-125		73	SPK: -40
4165-60-0	Nitrobenzene-d5	34.014		20-125		85	SPK: -40
93951-78-1	2-Nitrophenol-d4	34.949		20-130		87	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.013		20-120		75	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.052		1-146		78	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.016		25-130		80	SPK: -40
93951-97-4	Acenaphthylene-d8	31.3		10-130		78	SPK: -40
93951-79-2	4-Nitrophenol-d4	26.533		10-150		66	SPK: -40
81103-79-9	Fluorene-d10	31.26		25-125		78	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.917		10-130		55	SPK: -40
1719-06-8	Anthracene-d10	31.465		25-130		79	SPK: -40
1718-52-1	Pyrene-d10	33.389		15-130		83	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.356		20-130		81	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78080	8.327				
1146-65-2	Naphthalene-d8	370318	11.171				
15067-26-2	Acenaphthene-d10	251187	14.949				
1517-22-2	Phenanthrene-d10	554131	17.698				



Report of Analysis

Client:		Date Collected:	3/5/2024 12:00:00 AM
Project:		Date Received:	3/5/2024 12:00:00 AM
Client Sample ID:	SBLK439	SDG No.:	BG031224
Lab Sample ID:	PB159439BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060613.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	491556	22.023				
1520-96-3	Perylene-d12	576089	25.577				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060614.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	J	1.2	0.5	2	ug/L
100-52-7	Benzaldehyde	6.1	J	2.3	5	10	ug/L
110-86-1	Pyridine	4.5	J	2.2	10	10	ug/L
108-95-2	Phenol	4.6	J	1.5	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	4.9	J	1.3	5	10	ug/L
95-57-8	2-Chlorophenol	4.6	J	1.2	2.5	5	ug/L
95-48-7	2-Methylphenol	4.4	J	0.82	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.6	J	1.2	5	10	ug/L
98-86-2	Acetophenone	4.8	J	0.89	5	10	ug/L
106-44-5	4-Methylphenol	4.7	J	1.2	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	4.7	J	1.5	2.5	5	ug/L
67-72-1	Hexachloroethane	5.2		1.5	2.5	5	ug/L
98-95-3	Nitrobenzene	5.3		0.99	2.5	5	ug/L
78-59-1	Isophorone	4.8	J	1.1	2.5	5	ug/L
88-75-5	2-Nitrophenol	4.9	J	1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	3.2	J	1.1	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	4.6	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	5		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	4.7	J	0.98	2.5	5	ug/L
105-60-2	Caprolactam	5.3	J	2.9	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	4.6	J	2	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	5.1		1	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	4.9	J	1.6	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	4.3	J	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	4.4	J	0.81	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	4.6	J	0.8	2.5	5	ug/L
92-52-4	1,1-Biphenyl	4.9	J	0.99	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	4.9	J	1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	4.6	J	1.7	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060614.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	4.9	J	1.3	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	4.4	J	1.3	2.5	5	ug/L
208-96-8	Acenaphthylene	4.9	J	1.1	2.5	5	ug/L
99-09-2	3-Nitroaniline	4.4	J	1.5	5	10	ug/L
83-32-9	Acenaphthene	4.9	J	1.1	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	4.1	J	2.8	5	10	ug/L
100-02-7	4-Nitrophenol	5	J	1.4	5	10	ug/L
132-64-9	Dibenzofuran	4.9	J	0.87	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	4.7	J	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	4.9	J	0.87	2.5	5	ug/L
86-73-7	Fluorene	5.1		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	4.7	J	1.2	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	4.6	J	1.2	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	4.8	J	0.71	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.9	J	0.9	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	4.5	J	1.4	2.5	5	ug/L
118-74-1	Hexachlorobenzene	4.7	J	0.56	2.5	5	ug/L
1912-24-9	Atrazine	5.5	J	0.96	5	10	ug/L
87-86-5	Pentachlorophenol	4.5	J	2.5	5	10	ug/L
85-01-8	Phenanthrene	4.8	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	4.7	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	4.7	J	1	5	10	ug/L
84-74-2	Di-n-butylphthalate	4.6	J	0.81	2.5	5	ug/L
206-44-0	Fluoranthene	4.8	J	0.65	5	5	ug/L
129-00-0	Pyrene	5		0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	4.4	J	0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.5	J	1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	4.7	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	4.5	J	0.87	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060614.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	4.2	J	1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	4.6	J	1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	4.7	J	1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	4.6	J	1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.6	J	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.8	J	1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	4.7	J	1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.4	J	1	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.735		15-120		59	SPK: -8
7291-22-7	Pyridine-d5	23.182		20-120		58	SPK: -40
4165-62-2	Phenol-d5	20.922		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.277		25-120		53	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.564		20-130		54	SPK: -40
190780-66-6	4-Methylphenol-d8	20.856		25-125		52	SPK: -40
4165-60-0	Nitrobenzene-d5	24.275		20-125		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.231		20-130		58	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.398		20-120		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.703		1-146		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.522		25-130		54	SPK: -40
93951-97-4	Acenaphthylene-d8	22.146		10-130		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.706		10-150		52	SPK: -40
81103-79-9	Fluorene-d10	22.012		25-125		55	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	16.822		10-130		42	SPK: -40
1719-06-8	Anthracene-d10	20.15		25-130		50	SPK: -40
1718-52-1	Pyrene-d10	21.752		15-130		54	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.503		20-130		56	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90089	8.327				
1146-65-2	Naphthalene-d8	426434	11.17				
15067-26-2	Acenaphthene-d10	285792	14.948				
1517-22-2	Phenanthrene-d10	643991	17.698				



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

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-WATER-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060614.D	1	3/5/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159439

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	577427	22.022				
1520-96-3	Perylene-d12	649739	25.583				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060615.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	38	J	27	6.6	67	ug/Kg
100-52-7	Benzaldehyde	210	J	58	82.5	330	ug/Kg
110-86-1	Pyridine	120	J	77	170	330	ug/Kg
108-95-2	Phenol	150	J	30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	150	J	29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	160	J	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	150	J	31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	J	40	82.5	330	ug/Kg
98-86-2	Acetophenone	160	J	66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	150	J	53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	160	J	79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	170		61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	190		64	42.5	170	ug/Kg
78-59-1	Isophorone	160	J	66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	180		60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	110	J	32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	170		45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	170		38	42.5	170	ug/Kg
91-20-3	Naphthalene	170		24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	160	J	36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	170		35	42.5	170	ug/Kg
105-60-2	Caprolactam	190	J	64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	160	J	41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	170		24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	170		32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	J	97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	J	24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	160	J	33	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	170		26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	160	J	33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	160	J	45	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060615.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	170		30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	160	J	20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	170		29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	150	J	66	82.5	330	ug/Kg
83-32-9	Acenaphthene	170		26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	160	J	130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	180	J	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	170		27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	J	35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	170		33	42.5	170	ug/Kg
86-73-7	Fluorene	170		27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170		20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	160	J	24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	170	J	38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	160	J	24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	J	34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	160	J	26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	160	J	28	42.5	170	ug/Kg
1912-24-9	Atrazine	200	J	28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	160	J	88	82.5	330	ug/Kg
85-01-8	Phenanthrene	170		27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	170		37	42.5	170	ug/Kg
120-12-7	Anthracene	160	J	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	160	J	17	42.5	170	ug/Kg
86-74-8	Carbazole	170	J	34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	160	J	27	42.5	170	ug/Kg
206-44-0	Fluoranthene	160	J	19	82.5	170	ug/Kg
129-00-0	Pyrene	170		18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	150	J	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	J	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	23	42.5	170	ug/Kg
218-01-9	Chrysene	160	J	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	25	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060615.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	140	J	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	160	J	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	170		38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	160	J	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	J	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	J	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	150	J	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.452		15-120		56	SPK: -8
7291-22-7	Pyridine-d5	20.049		20-120		50	SPK: -40
4165-62-2	Phenol-d5	20.638		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.638		10-150		52	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.812		15-120		55	SPK: -40
190780-66-6	4-Methylphenol-d8	20.298		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	25.23		10-135		63	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.075		10-120		58	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.118		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.746		1-145		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.398		10-145		53	SPK: -40
93951-97-4	Acenaphthylene-d8	21.803		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.137		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	21.56		20-140		54	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	16.801		10-130		42	SPK: -40
1719-06-8	Anthracene-d10	20.352		10-150		51	SPK: -40
1718-52-1	Pyrene-d10	21.877		10-130		55	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.081		10-140		55	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91971	8.323				
1146-65-2	Naphthalene-d8	418767	11.173				
15067-26-2	Acenaphthene-d10	284666	14.95				
1517-22-2	Phenanthrene-d10	628833	17.7				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060615.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	573089	22.019				
1520-96-3	Perylene-d12	633339	25.585				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BG031224
Lab Sample ID:	PB159472BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060616.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

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
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

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BG031224
Lab Sample ID:	PB159472BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060616.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

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

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BG031224
Lab Sample ID:	PB159472BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060616.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.769		15-120		72	SPK: -8
7291-22-7	Pyridine-d5	28.163		20-120		70	SPK: -40
4165-62-2	Phenol-d5	28.514		10-130		71	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.019		10-150		73	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.817		15-120		75	SPK: -40
190780-66-6	4-Methylphenol-d8	29.264		10-140		73	SPK: -40
4165-60-0	Nitrobenzene-d5	35.32		10-135		88	SPK: -40
93951-78-1	2-Nitrophenol-d4	36.07		10-120		90	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.036		10-140		75	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.586		1-145		79	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.218		10-145		78	SPK: -40
93951-97-4	Acenaphthylene-d8	30.682		15-120		77	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.772		10-150		64	SPK: -40
81103-79-9	Fluorene-d10	30.646		20-140		77	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.078		10-130		60	SPK: -40
1719-06-8	Anthracene-d10	31.719		10-150		79	SPK: -40
1718-52-1	Pyrene-d10	32.96		10-130		82	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.167		10-140		83	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83444	8.324				
1146-65-2	Naphthalene-d8	387214	11.168				
15067-26-2	Acenaphthene-d10	275000	14.951				
1517-22-2	Phenanthrene-d10	578287	17.701				



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

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK472	SDG No.:	BG031224
Lab Sample ID:	PB159472BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060616.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159472

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	514746	22.02				
1520-96-3	Perylene-d12	583353	25.58				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060617.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1100	J	890	190	1900	ug/Kg
100-52-7	Benzaldehyde	5400	J	2000	2300	9400	ug/Kg
110-86-1	Pyridine	4100	J	3300	4700	9400	ug/Kg
108-95-2	Phenol	4000	J	1400	2300	9400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	4300	J	1800	2300	9400	ug/Kg
95-57-8	2-Chlorophenol	4400	J	1400	1200	4700	ug/Kg
95-48-7	2-Methylphenol	4100	J	1100	2300	9400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4000	J	1900	2300	9400	ug/Kg
98-86-2	Acetophenone	4200	J	1400	2300	9400	ug/Kg
106-44-5	4-Methylphenol	4000	J	1400	2300	9400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	4300	J	2000	1200	4700	ug/Kg
67-72-1	Hexachloroethane	4400	J	1600	1200	4700	ug/Kg
98-95-3	Nitrobenzene	4800		1700	1200	4700	ug/Kg
78-59-1	Isophorone	4400	J	1000	1200	4700	ug/Kg
88-75-5	2-Nitrophenol	4900		820	1200	4700	ug/Kg
105-67-9	2,4-Dimethylphenol	2900	J	560	1200	4700	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	4300	J	920	1200	4700	ug/Kg
120-83-2	2,4-Dichlorophenol	4500	J	710	1200	4700	ug/Kg
91-20-3	Naphthalene	4500	J	530	1200	4700	ug/Kg
106-47-8	4-Chloroaniline	4400	J	850	1200	9400	ug/Kg
87-68-3	Hexachlorobutadiene	4300	J	1100	1200	4700	ug/Kg
105-60-2	Caprolactam	5100	J	1900	2300	9400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	4300	J	1000	1200	4700	ug/Kg
90-12-0	1-Methylnaphthalene	4600	J	580	1200	4700	ug/Kg
91-57-6	2-Methylnaphthalene	4600	J	720	1200	4700	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	J	2500	2300	9400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4400	J	1100	1200	4700	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4400	J	910	1200	4700	ug/Kg
92-52-4	1,1-Biphenyl	4400	J	860	1200	4700	ug/Kg
91-58-7	2-Chloronaphthalene	4500	J	800	1200	4700	ug/Kg
88-74-4	2-Nitroaniline	4200	J	1500	1200	4700	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060617.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	4600	J	770	1200	4700	ug/Kg
606-20-2	2,6-Dinitrotoluene	4500	J	1400	1200	4700	ug/Kg
208-96-8	Acenaphthylene	4600	J	820	1200	4700	ug/Kg
99-09-2	3-Nitroaniline	4500	J	1200	2300	9400	ug/Kg
83-32-9	Acenaphthene	4600	J	740	1200	4700	ug/Kg
51-28-5	2,4-Dinitrophenol	4700	J	3400	2300	9400	ug/Kg
100-02-7	4-Nitrophenol	5200	J	1500	2300	9400	ug/Kg
132-64-9	Dibenzofuran	4600	J	740	1200	4700	ug/Kg
121-14-2	2,4-Dinitrotoluene	4900		910	1200	4700	ug/Kg
84-66-2	Diethylphthalate	4700		1600	1200	4700	ug/Kg
86-73-7	Fluorene	4600	J	1600	1200	4700	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4600	J	1100	1200	4700	ug/Kg
100-01-6	4-Nitroaniline	4600	J	1100	2300	9400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4500	J	2400	2300	9400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	4400	J	2600	1200	4700	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4400	J	830	1200	4700	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4100	J	1800	1200	4700	ug/Kg
118-74-1	Hexachlorobenzene	4600	J	2100	1200	4700	ug/Kg
1912-24-9	Atrazine	5400	J	2000	2300	9400	ug/Kg
87-86-5	Pentachlorophenol	4400	J	3100	2300	9400	ug/Kg
85-01-8	Phenanthrene	4400	J	650	1200	4700	ug/Kg
608-93-5	Pentachlorobenzene	4600	J	2000	1200	4700	ug/Kg
120-12-7	Anthracene	4200	J	540	1200	4700	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	4200	J	2100	1200	4700	ug/Kg
86-74-8	Carbazole	4400	J	900	2300	9400	ug/Kg
84-74-2	Di-n-butylphthalate	4400	J	800	1200	4700	ug/Kg
206-44-0	Fluoranthene	4500	J	570	2300	4700	ug/Kg
129-00-0	Pyrene	4700		580	1200	4700	ug/Kg
85-68-7	Butylbenzylphthalate	4300	J	490	1200	4700	ug/Kg
91-94-1	3,3-Dichlorobenzidine	5000	J	1900	2300	9400	ug/Kg
56-55-3	Benzo(a)anthracene	4500	J	730	1200	4700	ug/Kg
218-01-9	Chrysene	4500	J	610	1200	4700	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	4000	J	540	1200	4700	ug/Kg

Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060617.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	4000	J	1200	2300	9400	ug/Kg
205-99-2	Benzo(b)fluoranthene	4300	J	920	1200	4700	ug/Kg
207-08-9	Benzo(k)fluoranthene	4500	J	790	1200	4700	ug/Kg
50-32-8	Benzo(a)pyrene	4300	J	930	1200	4700	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4300	J	880	1200	4700	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4200	J	730	1200	4700	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4300	J	850	1200	4700	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4200	J	1700	1200	4700	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.451		15-120		56	SPK: -8
7291-22-7	Pyridine-d5	21.266		20-120		53	SPK: -40
4165-62-2	Phenol-d5	20.16		10-130		50	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.992		10-150		50	SPK: -40
93951-73-6	2-Chlorophenol-d4	20.657		15-120		52	SPK: -40
190780-66-6	4-Methylphenol-d8	20.468		10-140		51	SPK: -40
4165-60-0	Nitrobenzene-d5	24.762		10-135		62	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.951		10-120		62	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.155		10-140		53	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.592		1-145		51	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.888		10-145		55	SPK: -40
93951-97-4	Acenaphthylene-d8	22.074		15-120		55	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.068		10-150		53	SPK: -40
81103-79-9	Fluorene-d10	22.113		20-140		55	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.768		10-130		44	SPK: -40
1719-06-8	Anthracene-d10	20.125		10-150		50	SPK: -40
1718-52-1	Pyrene-d10	22.203		10-130		56	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.06		10-140		55	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99366	8.325				
1146-65-2	Naphthalene-d8	460593	11.169				
15067-26-2	Acenaphthene-d10	312244	14.952				
1517-22-2	Phenanthrene-d10	710779	17.696				



Report of Analysis

Client:		Date Collected:	2/26/2024 12:00:00 AM
Project:		Date Received:	2/26/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT1-2024-02	SDG No.:	BG031224
Lab Sample ID:	P1601-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.06 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060617.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	628981	22.021				
1520-96-3	Perylene-d12	710467	25.581				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	860	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BG031224
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060618.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	910	U	910	190	1900	ug/Kg
100-52-7	Benzaldehyde	2000	U	2000	2400	9700	ug/Kg
110-86-1	Pyridine	3400	U	3400	4800	9700	ug/Kg
108-95-2	Phenol	1500	U	1500	2400	9700	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1800	U	1800	2400	9700	ug/Kg
95-57-8	2-Chlorophenol	1500	U	1500	1200	4900	ug/Kg
95-48-7	2-Methylphenol	1200	U	1200	2400	9700	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1900	U	1900	2400	9700	ug/Kg
98-86-2	Acetophenone	1500	U	1500	2400	9700	ug/Kg
106-44-5	4-Methylphenol	1500	U	1500	2400	9700	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	2000	U	2000	1200	4900	ug/Kg
67-72-1	Hexachloroethane	1700	U	1700	1200	4900	ug/Kg
98-95-3	Nitrobenzene	1700	U	1700	1200	4900	ug/Kg
78-59-1	Isophorone	1100	U	1100	1200	4900	ug/Kg
88-75-5	2-Nitrophenol	840	U	840	1200	4900	ug/Kg
105-67-9	2,4-Dimethylphenol	570	U	570	1200	4900	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	940	U	940	1200	4900	ug/Kg
120-83-2	2,4-Dichlorophenol	730	U	730	1200	4900	ug/Kg
91-20-3	Naphthalene	540	U	540	1200	4900	ug/Kg
106-47-8	4-Chloroaniline	870	U	870	1200	9700	ug/Kg
87-68-3	Hexachlorobutadiene	1200	U	1200	1200	4900	ug/Kg
105-60-2	Caprolactam	1900	U	1900	2400	9700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	U	1100	1200	4900	ug/Kg
90-12-0	1-Methylnaphthalene	600	U	600	1200	4900	ug/Kg
91-57-6	2-Methylnaphthalene	740	U	740	1200	4900	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2500	U	2500	2400	9700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	1200	4900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	930	U	930	1200	4900	ug/Kg
92-52-4	1,1-Biphenyl	880	U	880	1200	4900	ug/Kg
91-58-7	2-Chloronaphthalene	830	U	830	1200	4900	ug/Kg
88-74-4	2-Nitroaniline	1600	U	1600	1200	4900	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BG031224
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060618.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	800	U	800	1200	4900	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500	U	1500	1200	4900	ug/Kg
208-96-8	Acenaphthylene	840	U	840	1200	4900	ug/Kg
99-09-2	3-Nitroaniline	1300	U	1300	2400	9700	ug/Kg
83-32-9	Acenaphthene	760	U	760	1200	4900	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	U	3500	2400	9700	ug/Kg
100-02-7	4-Nitrophenol	1600	U	1600	2400	9700	ug/Kg
132-64-9	Dibenzofuran	760	U	760	1200	4900	ug/Kg
121-14-2	2,4-Dinitrotoluene	930	U	930	1200	4900	ug/Kg
84-66-2	Diethylphthalate	1700	U	1700	1200	4900	ug/Kg
86-73-7	Fluorene	1700	U	1700	1200	4900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200	U	1200	1200	4900	ug/Kg
100-01-6	4-Nitroaniline	1200	U	1200	2400	9700	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2400	U	2400	2400	9700	ug/Kg
86-30-6	N-Nitrosodiphenylamine	2700	U	2700	1200	4900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	850	U	850	1200	4900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800	U	1800	1200	4900	ug/Kg
118-74-1	Hexachlorobenzene	2100	U	2100	1200	4900	ug/Kg
1912-24-9	Atrazine	2000	U	2000	2400	9700	ug/Kg
87-86-5	Pentachlorophenol	3200	U	3200	2400	9700	ug/Kg
85-01-8	Phenanthrene	670	U	670	1200	4900	ug/Kg
608-93-5	Pentachlorobenzene	2000	U	2000	1200	4900	ug/Kg
120-12-7	Anthracene	550	U	550	1200	4900	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	2100	U	2100	1200	4900	ug/Kg
86-74-8	Carbazole	920	U	920	2400	9700	ug/Kg
84-74-2	Di-n-butylphthalate	830	U	830	1200	4900	ug/Kg
206-44-0	Fluoranthene	580	U	580	2400	4900	ug/Kg
129-00-0	Pyrene	600	U	600	1200	4900	ug/Kg
85-68-7	Butylbenzylphthalate	500	U	500	1200	4900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900	U	1900	2400	9700	ug/Kg
56-55-3	Benzo(a)anthracene	750	U	750	1200	4900	ug/Kg
218-01-9	Chrysene	630	U	630	1200	4900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	550	U	550	1200	4900	ug/Kg

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BG031224
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :	Decanted :	Level :	MED
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060618.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1300	U	1300	2400	9700	ug/Kg
205-99-2	Benzo(b)fluoranthene	940	U	940	1200	4900	ug/Kg
207-08-9	Benzo(k)fluoranthene	820	U	820	1200	4900	ug/Kg
50-32-8	Benzo(a)pyrene	960	U	960	1200	4900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	900	U	900	1200	4900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	750	U	750	1200	4900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870	U	870	1200	4900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700	U	1700	1200	4900	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.412		15-120		68	SPK: -8
7291-22-7	Pyridine-d5	28.004		20-120		70	SPK: -40
4165-62-2	Phenol-d5	30.633		10-130		77	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.937		10-150		77	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.862		15-120		80	SPK: -40
190780-66-6	4-Methylphenol-d8	31.587		10-140		79	SPK: -40
4165-60-0	Nitrobenzene-d5	36.838		10-135		92	SPK: -40
93951-78-1	2-Nitrophenol-d4	36.8		10-120		92	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.136		10-140		78	SPK: -40
191656-33-4	4-Chloroaniline-d4	32.377		1-145		81	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.402		10-145		81	SPK: -40
93951-97-4	Acenaphthylene-d8	32		15-120		80	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.406		10-150		69	SPK: -40
81103-79-9	Fluorene-d10	31.938		20-140		80	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.991		10-130		62	SPK: -40
1719-06-8	Anthracene-d10	31.899		10-150		80	SPK: -40
1718-52-1	Pyrene-d10	34.243		10-130		86	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.943		10-140		85	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	81106	8.323				
1146-65-2	Naphthalene-d8	384078	11.167				
15067-26-2	Acenaphthene-d10	271817	14.951				
1517-22-2	Phenanthrene-d10	602259	17.7				



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

Report of Analysis

Client:		Date Collected:	3/6/2024 12:00:00 AM
Project:		Date Received:	3/6/2024 12:00:00 AM
Client Sample ID:	SBLK474	SDG No.:	BG031224
Lab Sample ID:	PB159474BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.03	Units:	g
Soil Aliquot Vol:	100	Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	MED
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060618.D	1	3/6/2024 12:00:00 AM	3/12/2024 12:00:00 AM	PB159474

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	523125	22.019				
1520-96-3	Perylene-d12	603547	25.585				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	880	U			99	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BG031224

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MDL-WATER-QT1-2024-02						
P1601-02	MDL-WATER-QT1-2024 Water	Total Alkanes	*	0.000	0.99	5	ug/L
		Total Tics :			0.00		
P1601-02	MDL-WATER-QT1-2024 Water	1,1-Biphenyl	4.900	J	0.99	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1,2,3,4-Tetrachlorobenzene	4.600	J	0.92	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1,2,4,5-Tetrachlorobenzene	4.900	J	0.9	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1,4-Dioxane	1.300	J	1.2	2	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	1-Methylnaphthalene	5.100		1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,2-oxybis(1-Chloropropane)	4.600	J	1.2	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,3,4,6-Tetrachlorophenol	4.400	J	1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4,5-Trichlorophenol	4.600	J	0.8	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4,6-Trichlorophenol	4.400	J	0.81	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dichlorophenol	5.000		0.93	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dimethylphenol	3.200	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dinitrophenol	4.100	J	2.8	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,4-Dinitrotoluene	4.700	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2,6-Dinitrotoluene	4.400	J	1.3	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Chloronaphthalene	4.900	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Chlorophenol	4.600	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Methylnaphthalene	4.900	J	1.6	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Methylphenol	4.400	J	0.82	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Nitroaniline	4.600	J	1.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	2-Nitrophenol	4.900	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	3,3-Dichlorobenzidine	5.500	J	1.7	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	3-Nitroaniline	4.400	J	1.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4,6-Dinitro-2-methylphenol	4.600	J	1.2	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Bromophenyl-phenylether	4.500	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Chloro-3-methylphenol	4.600	J	2	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Chloroaniline	4.700	J	1.8	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Chlorophenyl-phenylether	5.200		0.96	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Methylphenol	4.700	J	1.2	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Nitroaniline	4.700	J	1.2	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	4-Nitrophenol	5.000	J	1.4	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Acenaphthene	4.900	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Acenaphthylene	4.900	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Acetophenone	4.800	J	0.89	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Anthracene	4.700	J	0.72	5	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Atrazine	5.500	J	0.96	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Benzaldehyde	6.100	J	2.3	10	ug/L
P1601-02	MDL-WATER-QT1-2024 Water	Benzo(a)anthracene	4.700	J	0.56	5	ug/L

Hit Summary Sheet SW-846

SDG No.: BG031224

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
P1601-02	MDL-WATER-QT1-2024	Water Benzo(a)pyrene	4.600	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Benzo(b)fluoranthene	4.600	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Benzo(g,h,i)perylene	4.700	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Benzo(k)fluoranthene	4.700	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Bis(2-Chloroethoxy)methane	4.600	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Bis(2-Chloroethyl)ether	4.900	J	1.3	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Bis(2-ethylhexyl)phthalate	4.500	J	0.87	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Butylbenzylphthalate	4.400	J	0.97	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Caprolactam	5.300	J	2.9	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Carbazole	4.700	J	1	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Chrysene	4.900	J	0.75	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Di-n-butylphthalate	4.600	J	0.81	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Di-n-octyl phthalate	4.200	J	1.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Dibenzo(a,h)anthracene	4.800	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Dibenzofuran	4.900	J	0.87	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Diethylphthalate	4.900	J	0.87	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Dimethylphthalate	4.900	J	1.3	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Fluoranthene	4.800	J	0.65	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Fluorene	5.100		0.87	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachlorobenzene	4.700	J	0.56	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachlorobutadiene	4.700	J	0.98	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachlorocyclopentadiene	4.300	J	3.1	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Hexachloroethane	5.200		1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Indeno(1,2,3-cd)pyrene	4.600	J	1.4	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Isophorone	4.800	J	1.1	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water N-Nitroso-di-n-propylamine	4.700	J	1.5	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water N-Nitrosodiphenylamine	4.800	J	0.71	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Naphthalene	5.000		0.7	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Nitrobenzene	5.300		0.99	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pentachlorobenzene	4.800	J	1.2	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pentachlorophenol	4.500	J	2.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Phenanthrene	4.800	J	0.97	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Phenol	4.600	J	1.5	10	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pyrene	5.000		0.53	5	ug/L
P1601-02	MDL-WATER-QT1-2024	Water Pyridine	4.500	J	2.2	10	ug/L
Total Svoc :			338.40				
Total Concentration:			338.40				
Client ID :	MDL-SOIL-QT1-2024-02						
P1601-04	MDL-SOIL-QT1-2024-02	Solid Total Alkanes	*	0.000	26	170	ug/Kg
Total Tics :			0.00				
P1601-04	MDL-SOIL-QT1-2024-02	Solid 1,1-Biphenyl		170.000	26	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-02	Solid 1,2,3,4-Tetrachlorobenzene		160.000	J 17	170	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG031224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-04	MDL-SOIL-QT1-2024-0	Solid	1,2,4,5-Tetrachlorobenzene	160.000	J	34	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	1,4-Dioxane	38.000	J	27	67	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	1-Methylnaphthalene	170.000		24	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,2-oxybis(1-Chloropropane)	150.000	J	40	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,3,4,6-Tetrachlorophenol	150.000	J	36	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4,5-Trichlorophenol	160.000	J	33	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4,6-Trichlorophenol	150.000	J	24	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dichlorophenol	170.000		38	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dimethylphenol	110.000	J	32	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dinitrophenol	160.000	J	130	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,4-Dinitrotoluene	160.000	J	35	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2,6-Dinitrotoluene	160.000	J	20	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Chloronaphthalene	160.000	J	33	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Chlorophenol	160.000	J	28	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Methylnaphthalene	170.000		32	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Methylphenol	150.000	J	31	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Nitroaniline	160.000	J	45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	2-Nitrophenol	180.000		60	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	3,3-Dichlorobenzidine	180.000	J	52	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	3-Nitroaniline	150.000	J	66	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4,6-Dinitro-2-methylphenol	170.000	J	38	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Bromophenyl-phenylether	160.000	J	26	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Chloro-3-methylphenol	160.000	J	41	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Chloroaniline	160.000	J	36	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Chlorophenyl-phenylether	170.000		20	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Methylphenol	150.000	J	53	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Nitroaniline	160.000	J	24	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	4-Nitrophenol	180.000	J	44	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Acenaphthene	170.000		26	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Acenaphthylene	170.000		29	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Acetophenone	160.000	J	66	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Anthracene	160.000	J	25	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Atrazine	200.000	J	28	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzaldehyde	210.000	J	58	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(a)anthracene	160.000	J	23	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(a)pyrene	160.000	J	31	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(b)fluoranthene	160.000	J	37	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(g,h,i)perylene	160.000	J	32	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Benzo(k)fluoranthene	170.000		38	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Bis(2-Chloroethoxy)methane	170.000		45	170	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Bis(2-Chloroethyl)ether	150.000	J	29	330	ug/Kg
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Bis(2-ethylhexyl)phthalate	150.000	J	25	170	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: BG031224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Butylbenzylphthalate	150.000	J	22	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Caprolactam	190.000	J	64	330	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Carbazole	170.000	J	34	330	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Chrysene	160.000	J	24	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Di-n-butylphthalate	160.000	J	27	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Di-n-octyl phthalate	140.000	J	48	330	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Dibenzo(a,h)anthracene	160.000	J	26	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Dibenzofuran	170.000		27	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Diethylphthalate	170.000		33	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Dimethylphthalate	170.000		30	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Fluoranthene	160.000	J	19	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Fluorene	170.000		27	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachlorobenzene	160.000	J	28	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachlorobutadiene	170.000		35	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachlorocyclopentadiene	140.000	J	97	330	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Hexachloroethane	170.000		61	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Indeno(1,2,3-cd)pyrene	160.000	J	28	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Isophorone	160.000	J	66	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	N-Nitroso-di-n-propylamine	160.000	J	79	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	N-Nitrosodiphenylamine	160.000	J	24	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Naphthalene	170.000		24	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Nitrobenzene	190.000		64	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pentachlorobenzene	170.000		37	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pentachlorophenol	160.000	J	88	330	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Phenanthrene	170.000		27	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Phenol	150.000	J	30	330	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pyrene	170.000		18	170	ug/Kg	
P1601-04	MDL-SOIL-QT1-2024-0	Solid	Pyridine	120.000	J	77	330	ug/Kg	
Total Svoc :				11,588.00					
Total Concentration:				11,588.00					
Client ID :	MDL-MED-SOIL-QT1-2024-02								
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Total Alkanes	*	0.000	860	4700	ug/Kg	
Total Tics :				0.00					
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,1-Biphenyl		4,400.000	J	860	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,2,3,4-Tetrachlorobenzene		4,200.000	J	2100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,2,4,5-Tetrachlorobenzene		4,400.000	J	830	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1,4-Dioxane		1,100.000	J	890	1900	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	1-Methylnaphthalene		4,600.000	J	580	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,2-oxybis(1-Chloropropane)		4,000.000	J	1900	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,3,4,6-Tetrachlorophenol		4,200.000	J	1700	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4,5-Trichlorophenol		4,400.000	J	910	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4,6-Trichlorophenol		4,400.000	J	1100	4700	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BG031224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dichlorophenol	4,500.000	J	710	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dimethylphenol	2,900.000	J	560	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dinitrophenol	4,700.000	J	3400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,4-Dinitrotoluene	4,900.000		910	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2,6-Dinitrotoluene	4,500.000	J	1400	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Chloronaphthalene	4,500.000	J	800	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Chlorophenol	4,400.000	J	1400	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Methylnaphthalene	4,600.000	J	720	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Methylphenol	4,100.000	J	1100	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Nitroaniline	4,200.000	J	1500	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	2-Nitrophenol	4,900.000		820	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	3,3-Dichlorobenzidine	5,000.000	J	1900	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	3-Nitroaniline	4,500.000	J	1200	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4,6-Dinitro-2-methylphenol	4,500.000	J	2400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Bromophenyl-phenylether	4,100.000	J	1800	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Chloro-3-methylphenol	4,300.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Chloroaniline	4,400.000	J	850	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Chlorophenyl-phenylether	4,600.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Methylphenol	4,000.000	J	1400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Nitroaniline	4,600.000	J	1100	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	4-Nitrophenol	5,200.000	J	1500	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Acenaphthene	4,600.000	J	740	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Acenaphthylene	4,600.000	J	820	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Acetophenone	4,200.000	J	1400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Anthracene	4,200.000	J	540	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Atrazine	5,400.000	J	2000	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzaldehyde	5,400.000	J	2000	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(a)anthracene	4,500.000	J	730	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(a)pyrene	4,300.000	J	930	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(b)fluoranthene	4,300.000	J	920	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(g,h,i)perylene	4,300.000	J	850	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Benzo(k)fluoranthene	4,500.000	J	790	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Bis(2-Chloroethoxy)methane	4,300.000	J	920	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Bis(2-Chloroethyl)ether	4,300.000	J	1800	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Bis(2-ethylhexyl)phthalate	4,000.000	J	540	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Butylbenzylphthalate	4,300.000	J	490	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Caprolactam	5,100.000	J	1900	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Carbazole	4,400.000	J	900	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Chrysene	4,500.000	J	610	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Di-n-butylphthalate	4,400.000	J	800	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Di-n-octyl phthalate	4,000.000	J	1200	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Dibenzo(a,h)anthracene	4,200.000	J	730	4700	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG031224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Dibenzofuran	4,600.000	J	740	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Diethylphthalate	4,700.000		1600	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Dimethylphthalate	4,600.000	J	770	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Fluoranthene	4,500.000	J	570	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Fluorene	4,600.000	J	1600	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachlorobenzene	4,600.000	J	2100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachlorobutadiene	4,300.000	J	1100	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachlorocyclopentadiene	3,900.000	J	2500	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Hexachloroethane	4,400.000	J	1600	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Indeno(1,2,3-cd)pyrene	4,300.000	J	880	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Isophorone	4,400.000	J	1000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	N-Nitroso-di-n-propylamine	4,300.000	J	2000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	N-Nitrosodiphenylamine	4,400.000	J	2600	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Naphthalene	4,500.000	J	530	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Nitrobenzene	4,800.000		1700	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pentachlorobenzene	4,600.000	J	2000	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pentachlorophenol	4,400.000	J	3100	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Phenanthrene	4,400.000	J	650	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Phenol	4,000.000	J	1400	9400	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pyrene	4,700.000		580	4700	ug/Kg
P1601-06	MDL-MED-SOIL-QT1-2	Solid	Pyridine	4,100.000	J	3300	9400	ug/Kg
Total Svoc :				316,000.00				
Total Concentration:				316,000.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BG030824

SAS No.: BG030824

SDG No.: BG030824

Instrument ID:

Calibration Date(s): 3/8/2024 1:

Calibration Time(s): 11:14

LAB FILE ID:		RRFAL1 = BG060595.D		RRFAL2 = BG060596.D		RRFAL3 = BG060597.D		
		RRFAL4 = BG060598.D		RRFAL5 = BG060599.D		RRFAL6 = BG060600.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.437	0.599	0.585	0.613	0.575		0.562	12.7
Benzaldehyde		1.017	1.191	1.096	0.860	0.719	0.977	19.3
Pyridine		1.445	1.691	1.766	1.752	1.753	1.681	8.0
Hexachloroethane	0.532	0.539	0.583	0.650	0.651		0.591	9.8
Nitrobenzene	0.275	0.304	0.360	0.411	0.431		0.356	18.8
Isophorone	0.753	0.817	0.862	0.910	0.890		0.846	7.4
2-Nitrophenol	0.101	0.125	0.144	0.176	0.179		0.145	23.0
2,4-Dimethylphenol	0.350	0.370	0.390	0.434	0.421		0.393	8.9
Bis(2-Chloroethoxy)methane	0.460	0.481	0.492	0.513	0.516		0.492	4.7
2,4-Dichlorophenol	0.284	0.306	0.329	0.349	0.348		0.323	8.7
Naphthalene	1.133	1.143	1.174	1.242	1.221		1.182	4.0
4-Chloroaniline		0.480	0.491	0.516	0.486	0.483	0.491	3.0
Hexachlorobutadiene	0.224	0.230	0.239	0.250	0.253		0.239	5.3
Phenol		1.858	1.987	2.214	2.194	2.173	2.085	7.5
Caprolactam		0.105	0.107	0.117	0.112	0.113	0.111	4.2
4-Chloro-3-methylphenol	0.354	0.364	0.393	0.416	0.413		0.388	7.2
1-Methylnaphthalene	0.747	0.777	0.778	0.813	0.776		0.778	3.0
2-Methylnaphthalene	0.732	0.768	0.783	0.812	0.789		0.777	3.8
Hexachlorocyclopentadiene		0.326	0.356	0.422	0.454	0.445	0.401	14.1
2,4,6-Trichlorophenol	0.352	0.378	0.400	0.455	0.465		0.410	11.9
2,4,5-Trichlorophenol	0.384	0.385	0.434	0.492	0.491		0.437	12.3
1,1-Biphenyl	1.544	1.556	1.558	1.698	1.672		1.606	4.6
2-Chloronaphthalene	1.205	1.227	1.254	1.340	1.347		1.274	5.1
2-Nitroaniline	0.251	0.287	0.337	0.422	0.443		0.348	23.9
Bis(2-Chloroethyl)ether		1.502	1.640	1.737	1.731	1.671	1.656	5.8
Dimethylphthalate	1.553	1.576	1.588	1.710	1.641		1.614	3.9
2,6-Dinitrotoluene	0.161	0.187	0.229	0.279	0.304		0.232	25.9
Acenaphthylene	2.020	2.101	2.086	2.258	2.146		2.122	4.2
3-Nitroaniline		0.230	0.255	0.293	0.286	0.302	0.273	10.9
Acenaphthene	1.380	1.388	1.380	1.464	1.432		1.409	2.7
2,4-Dinitrophenol		0.066	0.085	0.122	0.144	0.172	0.118	36.6
4-Nitrophenol		0.185	0.210	0.254	0.246	0.260	0.231	14.0
Dibenzofuran	1.865	1.860	1.857	1.965	1.906		1.891	2.4
2,4-Dinitrotoluene	0.222	0.246	0.316	0.388	0.403		0.315	25.8
Diethylphthalate	1.601	1.617	1.607	1.737	1.668		1.646	3.5
2-Chlorophenol	1.325	1.380	1.519	1.657	1.662		1.509	10.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BG030824

SAS No.: BG030824

SDG No.: BG030824

Instrument ID:

Calibration Date(s): 3/8/2024 1:

Calibration Time(s): 11:14

LAB FILE ID:		RRFAL1 = BG060595.D		RRFAL2 = BG060596.D		RRFAL3 = BG060597.D		
		RRFAL4 = BG060598.D		RRFAL5 = BG060599.D		RRFAL6 = BG060600.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.543	1.575	1.539	1.619	1.556		1.566	2.1
4-Chlorophenyl-phenylether	0.764	0.776	0.767	0.826	0.790		0.784	3.2
4-Nitroaniline		0.224	0.262	0.294	0.281	0.299	0.272	11.2
4,6-Dinitro-2-methylphenol		0.057	0.076	0.098	0.105	0.112	0.090	25.3
N-Nitrosodiphenylamine	0.590	0.623	0.653	0.681	0.649		0.639	5.4
1,2,4,5-Tetrachlorobenzene	0.617	0.627	0.639	0.701	0.707		0.658	6.5
4-Bromophenyl-phenylether	0.202	0.221	0.234	0.250	0.243		0.230	8.2
Hexachlorobenzene	0.252	0.266	0.281	0.294	0.281		0.275	5.8
Atrazine		0.211	0.229	0.234	0.211	0.197	0.217	7.1
Pentachlorophenol		0.105	0.133	0.165	0.174	0.180	0.151	20.9
2-Methylphenol		1.441	1.561	1.711	1.711	1.700	1.625	7.4
Phenanthrene	1.099	1.147	1.166	1.206	1.122		1.148	3.6
Pentachlorobenzene	0.290	0.295	0.305	0.323	0.325		0.308	5.2
Anthracene	1.086	1.158	1.192	1.251	1.158		1.169	5.1
1,2,3,4-Tetrachlorobenzene	0.263	0.284	0.299	0.319	0.329		0.299	8.9
Carbazole		1.004	1.026	1.075	0.997	0.911	1.002	6.0
Di-n-butylphthalate	1.042	1.210	1.281	1.355	1.233		1.224	9.5
Fluoranthene	1.340	1.397	1.482	1.525	1.405		1.430	5.1
Pyrene	1.418	1.488	1.545	1.574	1.462		1.498	4.2
Butylbenzylphthalate	0.441	0.518	0.562	0.619	0.614		0.551	13.4
3,3-Dichlorobenzidine		0.435	0.477	0.506	0.455	0.414	0.457	7.9
2,2-oxybis (1-Chloropropane)		3.061	3.273	3.525	3.517	3.371	3.349	5.8
Benzo (a) anthracene	1.387	1.440	1.509	1.587	1.503		1.485	5.1
Chrysene	1.337	1.395	1.419	1.497	1.422		1.414	4.1
Bis (2-ethylhexyl) phthalate	0.692	0.748	0.847	0.912	0.893		0.818	11.6
Di-n-octyl phthalate		1.096	1.210	1.369	1.359	1.184	1.244	9.5
Benzo (b) fluoranthene	1.083	1.141	1.203	1.340	1.311		1.216	9.0
Benzo (k) fluoranthene	1.159	1.233	1.268	1.360	1.326		1.269	6.2
Benzo (a) pyrene	1.068	1.117	1.175	1.273	1.264		1.179	7.6
Indeno (1,2,3-cd) pyrene	1.267	1.344	1.450	1.607	1.614		1.456	10.6
Dibenzo (a,h) anthracene	1.040	1.081	1.187	1.299	1.345		1.190	11.1
Benzo (g,h,i) perylene	1.038	1.098	1.142	1.280	1.288		1.169	9.5
Acetophenone		2.496	2.710	2.893	2.837	2.716	2.731	5.6
2,3,4,6-Tetrachlorophenol	0.312	0.347	0.372	0.418	0.413		0.372	12.1
1,4-Dioxane-d8	0.488	0.541	0.510	0.579	0.531		0.530	6.5
Pyridine-d5		1.446	1.641	1.780	1.708	1.714	1.658	7.7

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG030824

SAS No.: BG030824

SDG No.: BG030824

Instrument ID: _____

Calibration Date(s): 3/8/2024 1: _____

Calibration Time(s): 11:14 _____

LAB FILE ID:		RRFAL1 = BG060595.D			RRFAL2 = BG060596.D		RRFAL3 = BG060597.D	
		RRFAL4 = BG060598.D			RRFAL5 = BG060599.D		RRFAL6 = BG060600.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.803	1.962	2.157	2.188	2.195	2.061	8.4
Bis-(2-Chloroethyl)ether-d8		1.236	1.344	1.391	1.366	1.344	1.336	4.4
2-Chlorophenol-d4	1.273	1.295	1.457	1.571	1.609		1.441	10.7
4-Methylphenol-d8		1.382	1.532	1.695	1.705	1.688	1.600	8.8
Nitrobenzene-d5	0.092	0.107	0.129	0.150	0.160		0.128	22.3
2-Nitrophenol-d4	0.088	0.104	0.123	0.154	0.159		0.126	24.5
2,4-Dichlorophenol-d3	0.283	0.307	0.322	0.354	0.352		0.324	9.3
4-Chloroaniline-d4		0.489	0.492	0.529	0.506	0.500	0.503	3.2
4-Methylphenol		1.560	1.690	1.857	1.866	1.874	1.769	7.9
Dimethylphthalate-d6	1.478	1.558	1.575	1.686	1.631		1.586	5.0
Acenaphthylene-d8	1.733	1.832	1.833	1.967	1.918		1.857	4.9
4-Nitrophenol-d4		0.189	0.219	0.260	0.255	0.271	0.239	14.2
Fluorene-d10	1.381	1.361	1.354	1.461	1.410		1.393	3.1
4,6-Dinitro-2-methylphenol-		0.054	0.068	0.087	0.095	0.102	0.081	24.7
Anthracene-d10	0.904	0.961	0.994	1.058	0.998		0.983	5.7
Pyrene-d10	1.095	1.198	1.234	1.283	1.215		1.205	5.8
Benzo(a)pyrene-d12	0.912	0.964	1.027	1.132	1.138		1.035	9.7
N-Nitroso-di-n-propylamine	1.162	1.242	1.376	1.460	1.454		1.339	9.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG031224 SAS No.: BG031224 SDG NO.: BG031224

EPA Sample No.: SSTD020408 Date Analyzed: Mar 12 2024 12:00AM

Lab File ID: BG060597.D Time Analyzed: 09:16

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	81414	8.326	388502	11.17	265929	14.95
UPPER LIMIT	162828	8.826	777004	11.67	531858	15.448
LOWER LIMIT	40707	7.826	194251	10.67	132964.5	14.448
EPA SAMPLE NO.						
01 SBLK439	78080	8.33	370318	11.17	251187	14.95
02 MDL-WATER-QT1-2024-02	90089	8.33	426434	11.17	285792	14.95
03 MDL-SOIL-QT1-2024-02	91971	8.32	418767	11.17	284666	14.95
04 SBLK472	83444	8.32	387214	11.17	275000	14.95
05 MDL-MED-SOIL-QT1-2024-02	99366	8.33	460593	11.17	312244	14.95
06 SBLK474	81106	8.32	384078	11.17	271817	14.95

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG031224 SAS No.: BG031224 SDG NO.: BG031224

EPA Sample No.: SSTD020489 Date Analyzed: Mar 12 2024 12:00AM

Lab File ID: BG060612.D Time Analyzed: 09:16

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	106479	8.323	508473	11.17	335469	14.95
UPPER LIMIT	212958	8.823	1016946	11.672	670938	15.45
LOWER LIMIT	53239.5	7.823	254236.5	10.672	167734.5	14.45
EPA SAMPLE NO.						
01 SBLK439	78080	8.33	370318	11.17	251187	14.95
02 MDL-WATER-QT1-2024-02	90089	8.33	426434	11.17	285792	14.95
03 MDL-SOIL-QT1-2024-02	91971	8.32	418767	11.17	284666	14.95
04 SBLK472	83444	8.32	387214	11.17	275000	14.95
05 MDL-MED-SOIL-QT1-2024-02	99366	8.33	460593	11.17	312244	14.95
06 SBLK474	81106	8.32	384078	11.17	271817	14.95

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG031224 SAS No.: BG031224 SDG NO.: BG031224

EPA Sample No.: SSTD020408

Date Analyzed: Mar 12 2024 12:00AM

Lab File ID: BG060597.D

Time Analyzed: 09:16

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	553862	17.697	491668	22.022	558295	25.576
UPPER LIMIT	1107724	18.197	983336	22.522	1116590	26.076
LOWER LIMIT	276931	17.197	245834	21.522	279147.5	25.076
EPA SAMPLE NO.						
01 SBLK439	554131	17.70	491556	22.02	576089	25.58
02 MDL-WATER-QT1-2024-02	643991	17.70	577427	22.02	649739	25.58
03 MDL-SOIL-QT1-2024-02	628833	17.70	573089	22.02	633339	25.59
04 SBLK472	578287	17.70	514746	22.02	583353	25.58
05 MDL-MED-SOIL-QT1-2024-02	710779	17.70	628981	22.02	710467	25.58
06 SBLK474	602259	17.70	523125	22.02	603547	25.59

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG031224 SAS No.: BG031224 SDG NO.: BG031224

EPA Sample No.: SSTD020489 Date Analyzed: Mar 12 2024 12:00AM

Lab File ID: BG060612.D Time Analyzed: 09:16

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	706788	17.7	638317	22.024	715989	25.585
UPPER LIMIT	1413576	18.2	1276634	22.524	1431978	26.085
LOWER LIMIT	353394	17.2	319158.5	21.524	357994.5	25.085
EPA SAMPLE NO.						
01 SBLK439	554131	17.70	491556	22.02	576089	25.58
02 MDL-WATER-QT1-2024-02	643991	17.70	577427	22.02	649739	25.58
03 MDL-SOIL-QT1-2024-02	628833	17.70	573089	22.02	633339	25.59
04 SBLK472	578287	17.70	514746	22.02	583353	25.58
05 MDL-MED-SOIL-QT1-2024-02	710779	17.70	628981	22.02	710467	25.58
06 SBLK474	602259	17.70	523125	22.02	603547	25.59

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.



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK439

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG031224SAS No.: BG031224 SDG NO.: BG031224Lab File ID: BG060613.DLab Sample ID: PB159439BLInstrument ID: BNA_GDate Extracted: 03/05/2024Matrix: (soil/water) WaterDate Analyzed: 03/12/2024Level: (low/med) LOWTime Analyzed: 09:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-WATER-QT1-2024-02	P1601-02	BG060614.D	03/12/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK472

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG031224SAS No.: BG031224 SDG NO.: BG031224Lab File ID: BG060616.DLab Sample ID: PB159472BLInstrument ID: BNA_GDate Extracted: 03/06/2024Matrix: (soil/water) SolidDate Analyzed: 03/12/2024Level: (low/med) LOWTime Analyzed: 12:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-SOIL-QT1-2024-02	P1601-04	BG060615.D	03/12/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK474

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG031224SAS No.: BG031224 SDG NO.: BG031224Lab File ID: BG060618.DLab Sample ID: PB159474BLInstrument ID: BNA_GDate Extracted: 03/06/2024Matrix: (soil/water) SolidDate Analyzed: 03/12/2024Level: (low/med) MEDTime Analyzed: 13:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MDL-MED-SOIL-QT1-2024-02	P1601-06	BG060617.D	03/12/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BG031224

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-02	MDL-WATER-QT1	BG060614.D	1,4-Dioxane-d8	8	4.74	59		15	120
			Pyridine-d5	40	23.18	58		20	120
			Phenol-d5	40	20.92	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.28	53		25	120
			2-Chlorophenol-d4	40	21.56	54		20	130
			4-Methylphenol-d8	40	20.86	52		25	125
			Nitrobenzene-d5	40	24.28	61		20	125
			2-Nitrophenol-d4	40	23.23	58		20	130
			2,4-Dichlorophenol-d3	40	21.40	53		20	120
			4-Chloroaniline-d4	40	20.70	52		1	146
			Dimethylphthalate-d6	40	21.52	54		25	130
			Acenaphthylene-d8	40	22.15	55		10	130
			4-Nitrophenol-d4	40	20.71	52		10	150
			Fluorene-d10	40	22.01	55		25	125
			4,6-Dinitro-2-methylphenol-d2	40	16.82	42		10	130
			Anthracene-d10	40	20.15	50		25	130
			Pyrene-d10	40	21.75	54		15	130
			Benzo(a)pyrene-d12	40	22.50	56		20	130
PB159439BL	PB159439BL	BG060613.D	Pyridine-d5	40	28.99	72		20	120
			1,4-Dioxane-d8	8	5.77	72		15	120
			Phenol-d5	40	28.97	72		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.60	74		25	120
			2-Chlorophenol-d4	40	31.63	79		20	130
			4-Methylphenol-d8	40	29.27	73		25	125
			Nitrobenzene-d5	40	34.01	85		20	125
			2-Nitrophenol-d4	40	34.95	87		20	130
			2,4-Dichlorophenol-d3	40	30.01	75		20	120
			4-Chloroaniline-d4	40	31.05	78		1	146
			Dimethylphthalate-d6	40	32.02	80		25	130
			Acenaphthylene-d8	40	31.30	78		10	130
			4-Nitrophenol-d4	40	26.53	66		10	150
			Fluorene-d10	40	31.26	78		25	125
			4,6-Dinitro-2-methylphenol-d2	40	21.92	55		10	130
			Anthracene-d10	40	31.47	79		25	130
			Pyrene-d10	40	33.39	83		15	130
			Benzo(a)pyrene-d12	40	32.36	81		20	130



Surrogate Summary

SW-846

SDG No.: BG031224

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-04	MDL-SOIL-QT1-2(BG060615.D		1,4-Dioxane-d8	8	4.45	56		15	120
			Pyridine-d5	40	20.05	50		20	120
			Phenol-d5	40	20.64	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.64	52		10	150
			2-Chlorophenol-d4	40	21.81	55		15	120
			4-Methylphenol-d8	40	20.30	51		10	140
			Nitrobenzene-d5	40	25.23	63		10	135
			2-Nitrophenol-d4	40	23.08	58		10	120
			2,4-Dichlorophenol-d3	40	21.12	53		10	140
			4-Chloroaniline-d4	40	20.75	52		1	145
			Dimethylphthalate-d6	40	21.40	53		10	145
			Acenaphthylene-d8	40	21.80	55		15	120
			4-Nitrophenol-d4	40	20.14	50		10	150
			Fluorene-d10	40	21.56	54		20	140
			4,6-Dinitro-2-methylphenol-d2	40	16.80	42		10	130
			Anthracene-d10	40	20.35	51		10	150
			Pyrene-d10	40	21.88	55		10	130
			Benzo(a)pyrene-d12	40	22.08	55		10	140
PB159472BL	PB159472BL	BG060616.D	1,4-Dioxane-d8	8	5.77	72		15	120
			Pyridine-d5	40	28.16	70		20	120
			Phenol-d5	40	28.51	71		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.02	73		10	150
			2-Chlorophenol-d4	40	29.82	75		15	120
			4-Methylphenol-d8	40	29.26	73		10	140
			Nitrobenzene-d5	40	35.32	88		10	135
			2-Nitrophenol-d4	40	36.07	90		10	120
			2,4-Dichlorophenol-d3	40	30.04	75		10	140
			4-Chloroaniline-d4	40	31.59	79		1	145
			Dimethylphthalate-d6	40	31.22	78		10	145
			Acenaphthylene-d8	40	30.68	77		15	120
			4-Nitrophenol-d4	40	25.77	64		10	150
			Fluorene-d10	40	30.65	77		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.08	60		10	130
			Anthracene-d10	40	31.72	79		10	150
			Pyrene-d10	40	32.96	82		10	130
			Benzo(a)pyrene-d12	40	33.17	83		10	140

Surrogate Summary

SW-846

SDG No.: BG031224

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1601-06	MDL-MED-SOIL-(BG060617.D		1,4-Dioxane-d8	8	4.45	56		15	120
			Pyridine-d5	40	21.27	53		20	120
			Phenol-d5	40	20.16	50		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.99	50		10	150
			2-Chlorophenol-d4	40	20.66	52		15	120
			4-Methylphenol-d8	40	20.47	51		10	140
			Nitrobenzene-d5	40	24.76	62		10	135
			2-Nitrophenol-d4	40	24.95	62		10	120
			2,4-Dichlorophenol-d3	40	21.16	53		10	140
			4-Chloroaniline-d4	40	20.59	51		1	145
			Dimethylphthalate-d6	40	21.89	55		10	145
			Acenaphthylene-d8	40	22.07	55		15	120
			4-Nitrophenol-d4	40	21.07	53		10	150
			Fluorene-d10	40	22.11	55		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.77	44		10	130
			Anthracene-d10	40	20.13	50		10	150
			Pyrene-d10	40	22.20	56		10	130
			Benzo(a)pyrene-d12	40	22.06	55		10	140
PB159474BL	PB159474BL	BG060618.D	1,4-Dioxane-d8	8	5.41	68		15	120
			Pyridine-d5	40	28.00	70		20	120
			Phenol-d5	40	30.63	77		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.94	77		10	150
			2-Chlorophenol-d4	40	31.86	80		15	120
			4-Methylphenol-d8	40	31.59	79		10	140
			Nitrobenzene-d5	40	36.84	92		10	135
			2-Nitrophenol-d4	40	36.80	92		10	120
			2,4-Dichlorophenol-d3	40	31.14	78		10	140
			4-Chloroaniline-d4	40	32.38	81		1	145
			Dimethylphthalate-d6	40	32.40	81		10	145
			Acenaphthylene-d8	40	32.00	80		15	120
			4-Nitrophenol-d4	40	27.41	69		10	150
			Fluorene-d10	40	31.94	80		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.99	62		10	130
			Anthracene-d10	40	31.90	80		10	150
			Pyrene-d10	40	34.24	86		10	130
			Benzo(a)pyrene-d12	40	33.94	85		10	140



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BG031224Lab Code: CHEMSAS No.: BG031224 SDG NO.: BG031224Lab File ID: BG060611.DDFTPP Injection Date: 03/12/2024Instrument ID: BNA_GDFTPP Injection Time: 07:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.6
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	44.7
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	7.2
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	81.9
443	15.0 - 24.0% of mass 442	16 (19.5) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020489	SSTDCCC020	BG060612.D	03/12/2024	08:35
SBLK439	PB159439BL	BG060613.D	03/12/2024	09:16
MDL-WATER-QT1-2024-02	P1601-02	BG060614.D	03/12/2024	09:59
MDL-SOIL-QT1-2024-02	P1601-04	BG060615.D	03/12/2024	10:56
SBLK472	PB159472BL	BG060616.D	03/12/2024	12:22
MDL-MED-SOIL-QT1-2024-02	P1601-06	BG060617.D	03/12/2024	13:02
SBLK474	PB159474BL	BG060618.D	03/12/2024	13:58
SSTD020490	SSTDCCC020EC	BG060619.D	03/12/2024	14:38