

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG No.: BN120324

Instrument ID: BNA_N Calibration Date/Time: 12/3/2024 1:09:30

Lab File ID: BN035400.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020349 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.475	0.462	0.010	-2.6495	40.0
Benzaldehyde	0.769	0.984	0.010	27.9812	40.0
Pyridine	1.119	1.194	0.010	6.7615	40.0
Phenol	1.476	1.540	0.080	4.3433	20.0
Bis(2-Chloroethyl)ether	1.155	1.224	0.100	5.9606	20.0
2-Chlorophenol	1.256	1.265	0.200	0.6603	20.0
2-Methylphenol	1.146	1.215	0.010	6.0152	20.0
2,2-oxybis(1-Chloropropane)	0.913	0.942	0.010	3.1423	40.0
Acetophenone	1.961	2.122	0.060	8.2032	20.0
4-Methylphenol	1.273	1.357	0.010	6.5763	20.0
N-Nitroso-di-n-propylamine	0.932	0.950	0.050	1.9199	30.0
Hexachloroethane	0.537	0.538	0.100	0.1452	20.0
Nitrobenzene	0.326	0.359	0.050	9.9171	25.0
Isophorone	0.654	0.703	0.050	7.4917	25.0
2-Nitrophenol	0.170	0.185	0.050	8.2873	25.0
2,4-Dimethylphenol	0.342	0.373	0.050	9.1286	25.0
Bis(2-Chloroethoxy)methane	0.398	0.420	0.050	5.2945	20.0
2,4-Dichlorophenol	0.333	0.357	0.060	7.4153	20.0
Naphthalene	1.016	1.058	0.200	4.0454	20.0
4-Chloroaniline	0.389	0.430	0.010	10.6732	40.0
Hexachlorobutadiene	0.235	0.251	0.040	6.9065	30.0
Caprolactam	0.096	0.103	0.010	7.4583	40.0
4-Chloro-3-methylphenol	0.346	0.376	0.040	8.5931	25.0
1-Methylnaphthalene	0.776	0.829	0.100	6.7843	20.0
2-Methylnaphthalene	0.757	0.813	0.100	7.3532	20.0
Hexachlorocyclopentadiene	0.296	0.302	0.010	2.0413	40.0
2,4,6-Trichlorophenol	0.382	0.407	0.090	6.5941	25.0
2,4,5-Trichlorophenol	0.426	0.456	0.100	7.0034	25.0
1,1-Biphenyl	1.380	1.434	0.200	3.9107	20.0
2-Chloronaphthalene	1.104	1.152	0.300	4.3255	20.0
2-Nitroaniline	0.217	0.237	0.050	9.2767	40.0
Dimethylphthalate	1.437	1.494	0.300	3.9686	20.0
2,6-Dinitrotoluene	0.239	0.260	0.080	8.4223	30.0
Acenaphthylene	1.681	1.738	0.400	3.3881	20.0
3-Nitroaniline	0.248	0.266	0.010	7.1049	40.0
Acenaphthene	1.210	1.225	0.200	1.21	20.0
2,4-Dinitrophenol	0.167	0.161	0.010	-3.9969	40.0
4-Nitrophenol	0.223	0.246	0.010	10.0506	40.0
Dibenzofuran	1.720	1.778	0.300	3.3384	20.0

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Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG No.: BN120324

Instrument ID: BNA_N Calibration Date/Time: 12/3/2024 1:09:30

Lab File ID: BN035400.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020349 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.380	0.420	0.070	10.5446	30.0
Diethylphthalate	1.404	1.490	0.300	6.0948	20.0
Fluorene	1.386	1.438	0.200	3.7374	20.0
4-Chlorophenyl-phenylether	0.708	0.738	0.100	4.1706	20.0
4-Nitroaniline	0.241	0.286	0.010	18.7857	40.0
4,6-Dinitro-2-methylphenol	0.114	0.123	0.010	7.7322	40.0
N-Nitrosodiphenylamine	0.531	0.560	0.050	5.3982	20.0
1,2,4,5-Tetrachlorobenzene	0.589	0.618	0.100	4.8838	20.0
4-Bromophenyl-phenylether	0.202	0.211	0.070	4.3038	20.0
Hexachlorobenzene	0.240	0.248	0.050	3.1213	25.0
Atrazine	0.190	0.213	0.010	12.0076	25.0
Pentachlorophenol	0.152	0.165	0.010	8.2613	40.0
Phenanthrene	1.030	1.068	0.200	3.7565	20.0
Pentachlorobenzene	0.273	0.284	0.050	4.145	20.0
Anthracene	1.040	1.089	0.200	4.7067	20.0
1,2,3,4-Tetrachlorobenzene	0.265	0.268	0.050	1.0688	20.0
Carbazole	0.865	0.986	0.050	14.0162	40.0
Di-n-butylphthalate	1.007	1.089	0.500	8.1662	25.0
Fluoranthene	1.240	1.225	0.400	-1.2183	25.0
Pyrene	1.330	1.305	0.400	-1.8727	25.0
Butylbenzylphthalate	0.375	0.382	0.100	2.0478	40.0
3,3-Dichlorobenzidine	0.357	0.392	0.010	9.9402	40.0
Benzo (a) anthracene	1.343	1.377	0.300	2.5854	30.0
Chrysene	1.294	1.303	0.200	0.7184	30.0
Bis (2-ethylhexyl) phthalate	0.591	0.619	0.200	4.7226	40.0
Di-n-octyl phthalate	0.909	0.874	0.010	-3.8503	40.0
Benzo (b) fluoranthene	1.153	1.187	0.200	2.9812	25.0
Benzo (k) fluoranthene	1.180	1.216	0.200	3.0244	25.0
Benzo (a) pyrene	1.082	1.124	0.200	3.8843	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.415	0.200	9.6639	25.0
Dibenzo (a,h) anthracene	1.046	1.135	0.200	8.5463	30.0
Benzo (g,h,i) perylene	0.980	1.075	0.200	9.7393	30.0
2,3,4,6-Tetrachlorophenol	0.371	0.390	0.040	5.1613	20.0
1,4-Dioxane-d8	0.423	0.410	0.010	-3.138	25.0
Pyridine-d5	1.116	1.184	0.010	6.092	40.0
Phenol-d5	1.425	1.481	0.010	3.9113	25.0
Bis- (2-Chloroethyl) ether-d8	0.795	0.843	0.050	6.0627	25.0
2-Chlorophenol-d4	1.207	1.229	0.200	1.8158	20.0
4-Methylphenol-d8	1.242	1.288	0.010	3.6935	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG No.: BN120324

Instrument ID: BNA_N Calibration Date/Time: 12/3/2024 1:09:30

Lab File ID: BN035400.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020349 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.130	0.139	0.050	6.7502	20.0
2-Nitrophenol-d4	0.150	0.162	0.050	7.7955	30.0
2,4-Dichlorophenol-d3	0.329	0.356	0.060	8.422	20.0
4-Chloroaniline-d4	0.406	0.448	0.010	10.3185	40.0
Dimethylphthalate-d6	1.436	1.506	0.300	4.8673	20.0
Acenaphthylene-d8	1.582	1.643	0.400	3.8652	20.0
4-Nitrophenol-d4	0.236	0.254	0.010	7.4606	40.0
Fluorene-d10	1.240	1.305	0.100	5.2645	20.0
4,6-Dinitro-2-methylphenol-d2	0.105	0.111	0.010	5.2934	40.0
Anthracene-d10	0.882	0.921	0.300	4.4303	20.0
Pyrene-d10	1.056	1.053	0.300	-0.3415	25.0
Benzo(a)pyrene-d12	0.968	1.029	0.010	6.2812	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.: BN120324 SAS No.: BN120324 SDG No.: BN120324
Instrument ID: BNA_N Calibration Date/Time: 12/3/2024 12:51
Lab File ID: BN035404.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020350 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.475	0.441	0.010	-7.0085	50.0
Benzaldehyde	0.769	1.001	0.010	30.2168	50.0
Pyridine	1.119	1.223	0.010	9.2923	50.0
Phenol	1.476	1.579	0.080	6.9864	50.0
Bis(2-Chloroethyl)ether	1.155	1.221	0.100	5.6518	50.0
2-Chlorophenol	1.256	1.267	0.200	0.8424	50.0
2-Methylphenol	1.146	1.190	0.010	3.8675	50.0
2,2-oxybis(1-Chloropropane)	0.913	0.979	0.010	7.2626	50.0
Acetophenone	1.961	2.139	0.060	9.0789	50.0
4-Methylphenol	1.273	1.359	0.010	6.7437	50.0
N-Nitroso-di-n-propylamine	0.932	0.974	0.050	4.4721	50.0
Hexachloroethane	0.537	0.548	0.100	1.9953	50.0
Nitrobenzene	0.326	0.352	0.050	7.8672	50.0
Isophorone	0.654	0.686	0.050	4.9575	50.0
2-Nitrophenol	0.170	0.183	0.050	7.286	50.0
2,4-Dimethylphenol	0.342	0.361	0.050	5.7053	50.0
Bis(2-Chloroethoxy)methane	0.398	0.412	0.050	3.4507	50.0
2,4-Dichlorophenol	0.333	0.346	0.060	3.994	50.0
Naphthalene	1.016	1.055	0.200	3.8165	50.0
4-Chloroaniline	0.389	0.422	0.010	8.5082	50.0
Hexachlorobutadiene	0.235	0.243	0.040	3.43	50.0
Caprolactam	0.096	0.101	0.010	5.2058	50.0
4-Chloro-3-methylphenol	0.346	0.361	0.040	4.2338	50.0
1-Methylnaphthalene	0.776	0.802	0.100	3.3767	50.0
2-Methylnaphthalene	0.757	0.788	0.100	4.1122	50.0
Hexachlorocyclopentadiene	0.296	0.306	0.010	3.2682	50.0
2,4,6-Trichlorophenol	0.382	0.415	0.090	8.4806	50.0
2,4,5-Trichlorophenol	0.426	0.451	0.100	5.892	50.0
1,1-Biphenyl	1.380	1.421	0.200	2.9787	50.0
2-Chloronaphthalene	1.104	1.150	0.300	4.1636	50.0
2-Nitroaniline	0.217	0.243	0.050	12.0572	50.0
Dimethylphthalate	1.437	1.508	0.300	4.9806	50.0
2,6-Dinitrotoluene	0.239	0.266	0.080	11.1195	50.0
Acenaphthylene	1.681	1.737	0.400	3.3616	50.0
3-Nitroaniline	0.248	0.270	0.010	8.8241	50.0
Acenaphthene	1.210	1.245	0.200	2.9274	50.0
2,4-Dinitrophenol	0.167	0.160	0.010	-4.5637	50.0
4-Nitrophenol	0.223	0.244	0.010	9.1954	50.0
Dibenzofuran	1.720	1.801	0.300	4.7088	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_N Calibration Date/Time: 12/3/2024 12:51

Lab File ID: BN035404.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020350 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.380	0.425	0.070	11.9151	50.0
Diethylphthalate	1.404	1.469	0.300	4.612	50.0
Fluorene	1.386	1.440	0.200	3.9205	50.0
4-Chlorophenyl-phenylether	0.708	0.729	0.100	2.9117	50.0
4-Nitroaniline	0.241	0.279	0.010	16.0077	50.0
4,6-Dinitro-2-methylphenol	0.114	0.127	0.010	11.1884	50.0
N-Nitrosodiphenylamine	0.531	0.567	0.050	6.6885	50.0
1,2,4,5-Tetrachlorobenzene	0.589	0.619	0.100	5.0572	50.0
4-Bromophenyl-phenylether	0.202	0.217	0.070	7.1724	50.0
Hexachlorobenzene	0.240	0.251	0.050	4.726	50.0
Atrazine	0.190	0.214	0.010	12.8828	50.0
Pentachlorophenol	0.152	0.166	0.010	9.0471	50.0
Phenanthrene	1.030	1.074	0.200	4.3191	50.0
Pentachlorobenzene	0.273	0.286	0.050	4.9318	50.0
Anthracene	1.040	1.111	0.200	6.826	50.0
1,2,3,4-Tetrachlorobenzene	0.265	0.282	0.050	6.2053	50.0
Carbazole	0.865	0.986	0.050	13.9886	50.0
Di-n-butylphthalate	1.007	1.101	0.500	9.3629	50.0
Fluoranthene	1.240	1.314	0.400	5.9669	50.0
Pyrene	1.330	1.409	0.400	5.9511	50.0
Butylbenzylphthalate	0.375	0.398	0.100	6.1888	50.0
3,3-Dichlorobenzidine	0.357	0.407	0.010	14.263	50.0
Benzo (a) anthracene	1.343	1.400	0.300	4.2882	50.0
Chrysene	1.294	1.375	0.200	6.2686	50.0
Bis (2-ethylhexyl) phthalate	0.591	0.641	0.200	8.4982	50.0
Di-n-octyl phthalate	0.909	0.885	0.010	-2.6089	50.0
Benzo (b) fluoranthene	1.153	1.207	0.200	4.7145	50.0
Benzo (k) fluoranthene	1.180	1.231	0.200	4.2979	50.0
Benzo (a) pyrene	1.082	1.148	0.200	6.0867	50.0
Indeno (1,2,3-cd) pyrene	1.291	1.391	0.200	7.7791	50.0
Dibenzo (a,h) anthracene	1.046	1.134	0.200	8.4416	50.0
Benzo (g,h,i) perylene	0.980	1.052	0.200	7.403	50.0
2,3,4,6-Tetrachlorophenol	0.371	0.390	0.040	5.0574	50.0
1,4-Dioxane-d8	0.423	0.449	0.010	6.1906	50.0
Pyridine-d5	1.116	1.196	0.010	7.2354	50.0
Phenol-d5	1.425	1.494	0.010	4.8332	50.0
Bis- (2-Chloroethyl) ether-d8	0.795	0.851	0.050	7.1195	50.0
2-Chlorophenol-d4	1.207	1.236	0.200	2.4098	50.0
4-Methylphenol-d8	1.242	1.276	0.010	2.7514	50.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG No.: BN120324

Instrument ID: BNA_N Calibration Date/Time: 12/3/2024 12:51

Lab File ID: BN035404.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020350 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.130	0.139	0.050	6.9604	50.0
2-Nitrophenol-d4	0.150	0.163	0.050	8.5851	50.0
2,4-Dichlorophenol-d3	0.329	0.345	0.060	4.8512	50.0
4-Chloroaniline-d4	0.406	0.443	0.010	9.253	50.0
Dimethylphthalate-d6	1.436	1.517	0.300	5.6114	50.0
Acenaphthylene-d8	1.582	1.661	0.400	5.0476	50.0
4-Nitrophenol-d4	0.236	0.253	0.010	6.9145	50.0
Fluorene-d10	1.240	1.271	0.100	2.4612	50.0
4,6-Dinitro-2-methylphenol-d2	0.105	0.113	0.010	7.1641	50.0
Anthracene-d10	0.882	0.933	0.300	5.783	50.0
Pyrene-d10	1.056	1.114	0.300	5.4164	50.0
Benzo(a)pyrene-d12	0.968	1.033	0.010	6.691	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/20/2024 12:00:00 AM
Project:		Date Received:	11/20/2024 12:00:00 AM
Client Sample ID:	SBLK141	SDG No.:	BN120324
Lab Sample ID:	PB165141BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.01 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	100 uL	Test:	
Extraction Type :		Decanted :	
Injection Volume :		Level :	MED
	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN035401.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	350	U	350	200	2000	ug/Kg
100-52-7	Benzaldehyde	1400	U	1400	2500	9900	ug/Kg
110-86-1	Pyridine	210	U	210	4900	9900	ug/Kg
108-95-2	Phenol	1300	U	1300	2500	9900	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	870	U	870	2500	9900	ug/Kg
95-57-8	2-Chlorophenol	650	U	650	1300	5000	ug/Kg
95-48-7	2-Methylphenol	1200	U	1200	2500	9900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	830	U	830	2500	9900	ug/Kg
98-86-2	Acetophenone	1700	U	1700	2500	9900	ug/Kg
106-44-5	4-Methylphenol	1300	U	1300	2500	9900	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	950	U	950	1300	5000	ug/Kg
67-72-1	Hexachloroethane	410	U	410	1300	5000	ug/Kg
98-95-3	Nitrobenzene	910	U	910	1300	5000	ug/Kg
78-59-1	Isophorone	1200	U	1200	1300	5000	ug/Kg
88-75-5	2-Nitrophenol	1100	U	1100	1300	5000	ug/Kg
105-67-9	2,4-Dimethylphenol	280	U	280	1300	5000	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	910	U	910	1300	5000	ug/Kg
120-83-2	2,4-Dichlorophenol	930	U	930	1300	5000	ug/Kg
91-20-3	Naphthalene	1100	U	1100	1300	5000	ug/Kg
106-47-8	4-Chloroaniline	1300	U	1300	1300	9900	ug/Kg
87-68-3	Hexachlorobutadiene	720	U	720	1300	5000	ug/Kg
105-60-2	Caprolactam	1500	U	1500	2500	9900	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200	U	1200	1300	5000	ug/Kg
90-12-0	1-Methylnaphthalene	510	U	510	1300	5000	ug/Kg
91-57-6	2-Methylnaphthalene	1200	U	1200	1300	5000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	660	U	660	2500	9900	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600	U	1600	1300	5000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400	U	1400	1300	5000	ug/Kg

Report of Analysis

Client:		Date Collected:	11/20/2024 12:00:00 AM
Project:		Date Received:	11/20/2024 12:00:00 AM
Client Sample ID:	SBLK141	SDG No.:	BN120324
Lab Sample ID:	PB165141BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.01 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
BN035401.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1400	U	1400	1300	5000	ug/Kg
91-58-7	2-Chloronaphthalene	1400	U	1400	1300	5000	ug/Kg
88-74-4	2-Nitroaniline	440	U	440	1300	5000	ug/Kg
131-11-3	Dimethylphthalate	1200	U	1200	1300	5000	ug/Kg
606-20-2	2,6-Dinitrotoluene	600	U	600	1300	5000	ug/Kg
208-96-8	Acenaphthylene	1500	U	1500	1300	5000	ug/Kg
99-09-2	3-Nitroaniline	240	U	240	2500	9900	ug/Kg
83-32-9	Acenaphthene	1500	U	1500	1300	5000	ug/Kg
51-28-5	2,4-Dinitrophenol	790	U	790	2500	9900	ug/Kg
100-02-7	4-Nitrophenol	190	U	190	2500	9900	ug/Kg
132-64-9	Dibenzofuran	1400	U	1400	1300	5000	ug/Kg
121-14-2	2,4-Dinitrotoluene	330	U	330	1300	5000	ug/Kg
84-66-2	Diethylphthalate	1300	U	1300	1300	5000	ug/Kg
86-73-7	Fluorene	1800	U	1800	1300	5000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600	U	1600	1300	5000	ug/Kg
100-01-6	4-Nitroaniline	550	U	550	2500	9900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200	U	1200	2500	9900	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1500	U	1500	1300	5000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400	U	1400	1300	5000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2800	U	2800	1300	5000	ug/Kg
118-74-1	Hexachlorobenzene	1500	U	1500	1300	5000	ug/Kg
1912-24-9	Atrazine	280	U	280	2500	9900	ug/Kg
87-86-5	Pentachlorophenol	1200	U	1200	2500	9900	ug/Kg
85-01-8	Phenanthrene	1700	U	1700	1300	5000	ug/Kg
608-93-5	Pentachlorobenzene	1100	U	1100	1300	5000	ug/Kg
120-12-7	Anthracene	1600	U	1600	1300	5000	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	290	U	290	1300	5000	ug/Kg
86-74-8	Carbazole	1900	U	1900	2500	9900	ug/Kg
84-74-2	Di-n-butylphthalate	1800	U	1800	1300	5000	ug/Kg
206-44-0	Fluoranthene	1300	U	1300	2500	5000	ug/Kg

Report of Analysis

Client:		Date Collected:	11/20/2024 12:00:00 AM
Project:		Date Received:	11/20/2024 12:00:00 AM
Client Sample ID:	SBLK141	SDG No.:	BN120324
Lab Sample ID:	PB165141BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.01 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
BN035401.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1200	U	1200	1300	5000	ug/Kg
85-68-7	Butylbenzylphthalate	1200	U	1200	1300	5000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	750	U	750	2500	9900	ug/Kg
56-55-3	Benzo(a)anthracene	1100	U	1100	1300	5000	ug/Kg
218-01-9	Chrysene	1200	U	1200	1300	5000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200	U	1200	1300	5000	ug/Kg
117-84-0	Di-n-octyl phthalate	1400	U	1400	2500	9900	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700	U	1700	1300	5000	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800	U	1800	1300	5000	ug/Kg
50-32-8	Benzo(a)pyrene	1700	U	1700	1300	5000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600	U	1600	1300	5000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700	U	1700	1300	5000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700	U	1700	1300	5000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600	U	1600	1300	5000	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.383		15-120		80	SPK: -8
7291-22-7	Pyridine-d5	31.516		20-120		79	SPK: -40
4165-62-2	Phenol-d5	31.94		10-130		80	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	33.248		10-150		83	SPK: -40
93951-73-6	2-Chlorophenol-d4	32.164		15-120		80	SPK: -40
190780-66-6	4-Methylphenol-d8	31.217		10-140		78	SPK: -40
4165-60-0	Nitrobenzene-d5	33.484		10-135		84	SPK: -40
93951-78-1	2-Nitrophenol-d4	34.676		10-120		87	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.226		10-140		76	SPK: -40
191656-33-4	4-Chloroaniline-d4	32.192		1-145		80	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.423		10-145		84	SPK: -40
93951-97-4	Acenaphthylene-d8	32.246		15-120		81	SPK: -40
93951-79-2	4-Nitrophenol-d4	31.1		10-150		78	SPK: -40
81103-79-9	Fluorene-d10	31.867		20-140		80	SPK: -40

Report of Analysis

Client:		Date Collected:	11/20/2024 12:00:00 AM
Project:		Date Received:	11/20/2024 12:00:00 AM
Client Sample ID:	SBLK141	SDG No.:	BN120324
Lab Sample ID:	PB165141BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.01 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
BN035401.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	28.32		10-130		71	SPK: -40
1719-06-8	Anthracene-d10	32.996		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	31.391		10-130		78	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.918		10-140		82	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89585	7.298				
1146-65-2	Naphthalene-d8	388700	10.045				
15067-26-2	Acenaphthene-d10	299855	13.957				
1517-22-2	Phenanthrene-d10	680897	16.727				
1719-03-5	Chrysene-d12	720121	20.98				
1520-96-3	Perylene-d12	832383	23.651				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1400	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BN120324
Lab Sample ID:	P5050-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BN035402.D	1	12/2/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	36	U	36	19.8	200	ug/Kg
110-86-1	Pyridine	36	U	36	500	990	ug/Kg
100-52-7	Benzaldehyde	140	U	140	250	990	ug/Kg
108-95-2	Phenol	140	U	140	250	990	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	110	U	110	250	990	ug/Kg
95-57-8	2-Chlorophenol	66	U	66	130	510	ug/Kg
95-48-7	2-Methylphenol	120	U	120	250	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	87	U	87	250	990	ug/Kg
98-86-2	Acetophenone	180	U	180	250	990	ug/Kg
106-44-5	4-Methylphenol	120	U	120	250	990	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	110	U	110	130	510	ug/Kg
67-72-1	Hexachloroethane	48	U	48	130	510	ug/Kg
98-95-3	Nitrobenzene	81	U	81	130	510	ug/Kg
78-59-1	Isophorone	110	U	110	130	510	ug/Kg
88-75-5	2-Nitrophenol	90	U	90	130	510	ug/Kg
105-67-9	2,4-Dimethylphenol	26	U	26	130	510	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	93	U	93	130	510	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	130	510	ug/Kg
91-20-3	Naphthalene	99	U	99	130	510	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	130	990	ug/Kg
87-68-3	Hexachlorobutadiene	78	U	78	130	510	ug/Kg
105-60-2	Caprolactam	120	U	120	250	990	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	130	510	ug/Kg
90-12-0	1-Methylnaphthalene	57	U	57	130	510	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	130	510	ug/Kg
77-47-4	Hexachlorocyclopentadiene	57	U	57	250	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	130	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	150	U	150	130	510	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BN120324
Lab Sample ID:	P5050-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BN035402.D	1	12/2/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	140	U	140	130	510	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	130	510	ug/Kg
88-74-4	2-Nitroaniline	66	U	66	130	510	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	130	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	78	U	78	130	510	ug/Kg
208-96-8	Acenaphthylene	140	U	140	130	510	ug/Kg
99-09-2	3-Nitroaniline	42	U	42	250	990	ug/Kg
83-32-9	Acenaphthene	150	U	150	130	510	ug/Kg
51-28-5	2,4-Dinitrophenol	96	U	96	250	990	ug/Kg
100-02-7	4-Nitrophenol	33	U	33	250	990	ug/Kg
132-64-9	Dibenzofuran	120	U	120	130	510	ug/Kg
121-14-2	2,4-Dinitrotoluene	39	U	39	130	510	ug/Kg
84-66-2	Diethylphthalate	120	U	120	130	510	ug/Kg
86-73-7	Fluorene	170	U	170	130	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	130	510	ug/Kg
100-01-6	4-Nitroaniline	48	U	48	250	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	250	990	ug/Kg
86-30-6	N-Nitrosodiphenylamine	140	U	140	130	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	130	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	300	U	300	130	510	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	130	510	ug/Kg
1912-24-9	Atrazine	33	U	33	250	990	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	250	990	ug/Kg
85-01-8	Phenanthrene	160	U	160	130	510	ug/Kg
608-93-5	Pentachlorobenzene	110	U	110	130	510	ug/Kg
120-12-7	Anthracene	140	U	140	130	510	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	17	U	17	130	510	ug/Kg
86-74-8	Carbazole	180	U	180	250	990	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	170	130	510	ug/Kg
206-44-0	Fluoranthene	140	U	140	250	510	ug/Kg

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BN120324
Lab Sample ID:	P5050-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BN035402.D	1	12/2/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	140	U	140	130	510	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	130	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	75	U	75	250	990	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	130	510	ug/Kg
218-01-9	Chrysene	140	U	140	130	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	130	510	ug/Kg
117-84-0	Di-n-octyl phthalate	130	U	130	250	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	130	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	U	170	130	510	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	170	130	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	130	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	U	160	130	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	130	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	160	U	160	130	510	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0	U	15-120		0	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	0	U	10-130		0	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	0	U	10-150		0	SPK: -40
93951-73-6	2-Chlorophenol-d4	0	U	15-120		0	SPK: -40
190780-66-6	4-Methylphenol-d8	0	U	10-140		0	SPK: -40
4165-60-0	Nitrobenzene-d5	0	U	10-135		0	SPK: -40
93951-78-1	2-Nitrophenol-d4	0	U	10-120		0	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	0	U	10-140		0	SPK: -40
191656-33-4	4-Chloroaniline-d4	0	U	1-145		0	SPK: -40
85448-30-2	Dimethylphthalate-d6	0	U	10-145		0	SPK: -40
93951-97-4	Acenaphthylene-d8	0	U	15-120		0	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	0	U	20-140		0	SPK: -40

Report of Analysis

Client:		Date Collected:	12/2/2024 12:00:00 AM
Project:		Date Received:	12/2/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BN120324
Lab Sample ID:	P5050-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BN035402.D	1	12/2/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	0	U	10-130		0	SPK: -40
1719-06-8	Anthracene-d10	0	U	10-150		0	SPK: -40
1718-52-1	Pyrene-d10	0	U	10-130		0	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	0	U	10-140		0	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78825	7.299				
1146-65-2	Naphthalene-d8	324440	10.046				
15067-26-2	Acenaphthene-d10	258462	13.957				
1517-22-2	Phenanthrene-d10	612241	16.728				
1719-03-5	Chrysene-d12	652912	20.975				
1520-96-3	Perylene-d12	752287	23.651				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	140	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT4-2024-07	SDG No.:	BN120324
Lab Sample ID:	P4776-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.04 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
BN035403.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1200	J	340	190	1900	ug/Kg
100-52-7	Benzaldehyde	4700	J	1300	2400	9600	ug/Kg
110-86-1	Pyridine	4000	J	200	4800	9600	ug/Kg
108-95-2	Phenol	4100	J	1300	2400	9600	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	4300	J	850	2400	9600	ug/Kg
95-57-8	2-Chlorophenol	4000	J	630	1200	4800	ug/Kg
95-48-7	2-Methylphenol	3700	J	1200	2400	9600	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	4000	J	810	2400	9600	ug/Kg
98-86-2	Acetophenone	4400	J	1600	2400	9600	ug/Kg
106-44-5	4-Methylphenol	4000	J	1300	2400	9600	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	3800	J	920	1200	4800	ug/Kg
67-72-1	Hexachloroethane	4000	J	390	1200	4800	ug/Kg
98-95-3	Nitrobenzene	4200	J	880	1200	4800	ug/Kg
78-59-1	Isophorone	3800	J	1200	1200	4800	ug/Kg
88-75-5	2-Nitrophenol	4000	J	1100	1200	4800	ug/Kg
105-67-9	2,4-Dimethylphenol	3100	J	270	1200	4800	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	4100	J	880	1200	4800	ug/Kg
120-83-2	2,4-Dichlorophenol	4100	J	900	1200	4800	ug/Kg
91-20-3	Naphthalene	4200	J	1100	1200	4800	ug/Kg
106-47-8	4-Chloroaniline	4300	J	1300	1200	9600	ug/Kg
87-68-3	Hexachlorobutadiene	4500	J	700	1200	4800	ug/Kg
105-60-2	Caprolactam	3300	J	1400	2400	9600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	3800	J	1200	1200	4800	ug/Kg
90-12-0	1-Methylnaphthalene	3800	J	500	1200	4800	ug/Kg
91-57-6	2-Methylnaphthalene	4100	J	1200	1200	4800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4100	J	640	2400	9600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	4000	J	1500	1200	4800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	4000	J	1300	1200	4800	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT4-2024-07	SDG No.:	BN120324
Lab Sample ID:	P4776-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.04 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
BN035403.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	4400	J	1300	1200	4800	ug/Kg
91-58-7	2-Chloronaphthalene	4200	J	1300	1200	4800	ug/Kg
88-74-4	2-Nitroaniline	3300	J	420	1200	4800	ug/Kg
131-11-3	Dimethylphthalate	4200	J	1200	1200	4800	ug/Kg
606-20-2	2,6-Dinitrotoluene	3000	J	590	1200	4800	ug/Kg
208-96-8	Acenaphthylene	4400	J	1400	1200	4800	ug/Kg
99-09-2	3-Nitroaniline	2800	J	230	2400	9600	ug/Kg
83-32-9	Acenaphthene	4200	J	1400	1200	4800	ug/Kg
51-28-5	2,4-Dinitrophenol	4400	J	770	2400	9600	ug/Kg
100-02-7	4-Nitrophenol	3900	J	180	2400	9600	ug/Kg
132-64-9	Dibenzofuran	4400	J	1300	1200	4800	ug/Kg
121-14-2	2,4-Dinitrotoluene	3500	J	320	1200	4800	ug/Kg
84-66-2	Diethylphthalate	4100	J	1300	1200	4800	ug/Kg
86-73-7	Fluorene	4400	J	1700	1200	4800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	4600	J	1500	1200	4800	ug/Kg
100-01-6	4-Nitroaniline	3500	J	540	2400	9600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	4100	J	1200	2400	9600	ug/Kg
86-30-6	N-Nitrosodiphenylamine	4200	J	1400	1200	4800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	4400	J	1300	1200	4800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	4300	J	2700	1200	4800	ug/Kg
118-74-1	Hexachlorobenzene	4500	J	1400	1200	4800	ug/Kg
1912-24-9	Atrazine	4000	J	270	2400	9600	ug/Kg
87-86-5	Pentachlorophenol	5500	J	1200	2400	9600	ug/Kg
85-01-8	Phenanthrene	4400	J	1600	1200	4800	ug/Kg
608-93-5	Pentachlorobenzene	3900	J	1100	1200	4800	ug/Kg
120-12-7	Anthracene	4100	J	1500	1200	4800	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	3900	J	280	1200	4800	ug/Kg
86-74-8	Carbazole	4400	J	1800	2400	9600	ug/Kg
84-74-2	Di-n-butylphthalate	3800	J	1700	1200	4800	ug/Kg
206-44-0	Fluoranthene	4100	J	1300	2400	4800	ug/Kg

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT4-2024-07	SDG No.:	BN120324
Lab Sample ID:	P4776-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.04 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
BN035403.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	4300	J	1200	1200	4800	ug/Kg
85-68-7	Butylbenzylphthalate	3400	J	1200	1200	4800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3000	J	730	2400	9600	ug/Kg
56-55-3	Benzo(a)anthracene	4200	J	1100	1200	4800	ug/Kg
218-01-9	Chrysene	4300	J	1200	1200	4800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	3500	J	1200	1200	4800	ug/Kg
117-84-0	Di-n-octyl phthalate	3200	J	1300	2400	9600	ug/Kg
205-99-2	Benzo(b)fluoranthene	4200	J	1600	1200	4800	ug/Kg
207-08-9	Benzo(k)fluoranthene	4200	J	1700	1200	4800	ug/Kg
50-32-8	Benzo(a)pyrene	4000	J	1600	1200	4800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3900	J	1500	1200	4800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	4000	J	1600	1200	4800	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4000	J	1600	1200	4800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	4000	J	1500	1200	4800	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.424		15-120		43	SPK: -8
7291-22-7	Pyridine-d5	12.871		20-120		32	SPK: -40
4165-62-2	Phenol-d5	12.397		10-130		31	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	13.194		10-150		33	SPK: -40
93951-73-6	2-Chlorophenol-d4	12.169		15-120		30	SPK: -40
190780-66-6	4-Methylphenol-d8	12.041		10-140		30	SPK: -40
4165-60-0	Nitrobenzene-d5	12.553		10-135		31	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.24		10-120		31	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	12.362		10-140		31	SPK: -40
191656-33-4	4-Chloroaniline-d4	12.823		1-145		32	SPK: -40
85448-30-2	Dimethylphthalate-d6	13.088		10-145		33	SPK: -40
93951-97-4	Acenaphthylene-d8	13.189		15-120		33	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.104		10-150		28	SPK: -40
81103-79-9	Fluorene-d10	13.494		20-140		34	SPK: -40

Report of Analysis

Client:		Date Collected:	11/7/2024 12:00:00 AM
Project:		Date Received:	11/7/2024 12:00:00 AM
Client Sample ID:	MDL-MED-SOIL-QT4-2024-07	SDG No.:	BN120324
Lab Sample ID:	P4776-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	1.04 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
BN035403.D	1	11/20/2024 12:00:00 AM	12/3/2024 12:00:00 AM	PB165141

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.084		10-130		25	SPK: -40
1719-06-8	Anthracene-d10	13.177		10-150		33	SPK: -40
1718-52-1	Pyrene-d10	13.296		10-130		33	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	13.291		10-140		33	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75868	7.299				
1146-65-2	Naphthalene-d8	317331	10.046				
15067-26-2	Acenaphthene-d10	244157	13.963				
1517-22-2	Phenanthrene-d10	569065	16.728				
1719-03-5	Chrysene-d12	598155	20.98				
1520-96-3	Perylene-d12	670109	23.651				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1300	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN120324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	MDL-MED-SOIL-QT4-2024-07							
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Total Alkanes	*	0.000	1300	4800	ug/Kg
			Total Tics :			0.00		
P4776-05	MDL-MED-SOIL-QT4-2	Solid	1,1-Biphenyl	4,400.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	1,2,3,4-Tetrachlorobenzene	3,900.000	J	280	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	1,2,4,5-Tetrachlorobenzene	4,400.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	1,4-Dioxane	1,200.000	J	340	1900	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	1-Methylnaphthalene	3,800.000	J	500	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,2-oxybis(1-Chloropropane)	4,000.000	J	810	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,3,4,6-Tetrachlorophenol	4,000.000	J	1500	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,4,5-Trichlorophenol	4,000.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,4,6-Trichlorophenol	4,000.000	J	1500	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,4-Dichlorophenol	4,100.000	J	900	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,4-Dimethylphenol	3,100.000	J	270	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,4-Dinitrophenol	4,400.000	J	770	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,4-Dinitrotoluene	3,500.000	J	320	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2,6-Dinitrotoluene	3,000.000	J	590	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2-Chloronaphthalene	4,200.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2-Chlorophenol	4,000.000	J	630	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2-Methylnaphthalene	4,100.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2-Methylphenol	3,700.000	J	1200	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2-Nitroaniline	3,300.000	J	420	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	2-Nitrophenol	4,000.000	J	1100	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	3,3-Dichlorobenzidine	3,000.000	J	730	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	3-Nitroaniline	2,800.000	J	230	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4,6-Dinitro-2-methylphenol	4,100.000	J	1200	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Bromophenyl-phenylether	4,300.000	J	2700	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Chloro-3-methylphenol	3,800.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Chloroaniline	4,300.000	J	1300	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Chlorophenyl-phenylether	4,600.000	J	1500	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Methylphenol	4,000.000	J	1300	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Nitroaniline	3,500.000	J	540	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	4-Nitrophenol	3,900.000	J	180	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Acenaphthene	4,200.000	J	1400	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Acenaphthylene	4,400.000	J	1400	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Acetophenone	4,400.000	J	1600	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Anthracene	4,100.000	J	1500	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Atrazine	4,000.000	J	270	9600	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BN120324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Benzaldehyde	4,700.000	J	1300	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Benzo(a)anthracene	4,200.000	J	1100	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Benzo(a)pyrene	4,000.000	J	1600	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Benzo(b)fluoranthene	4,200.000	J	1600	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Benzo(g,h,i)perylene	4,000.000	J	1600	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Benzo(k)fluoranthene	4,200.000	J	1700	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Bis(2-Chloroethoxy)methane	4,100.000	J	880	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Bis(2-Chloroethyl)ether	4,300.000	J	850	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Bis(2-ethylhexyl)phthalate	3,500.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Butylbenzylphthalate	3,400.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Caprolactam	3,300.000	J	1400	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Carbazole	4,400.000	J	1800	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Chrysene	4,300.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Di-n-butylphthalate	3,800.000	J	1700	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Di-n-octyl phthalate	3,200.000	J	1300	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Dibenzo(a,h)anthracene	4,000.000	J	1600	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Dibenzofuran	4,400.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Diethylphthalate	4,100.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Dimethylphthalate	4,200.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Fluoranthene	4,100.000	J	1300	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Fluorene	4,400.000	J	1700	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Hexachlorobenzene	4,500.000	J	1400	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Hexachlorobutadiene	4,500.000	J	700	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Hexachlorocyclopentadiene	4,100.000	J	640	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Hexachloroethane	4,000.000	J	390	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Indeno(1,2,3-cd)pyrene	3,900.000	J	1500	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Isophorone	3,800.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	N-Nitroso-di-n-propylamine	3,800.000	J	920	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	N-Nitrosodiphenylamine	4,200.000	J	1400	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Naphthalene	4,200.000	J	1100	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Nitrobenzene	4,200.000	J	880	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Pentachlorobenzene	3,900.000	J	1100	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Pentachlorophenol	5,500.000	J	1200	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Phenanthrene	4,400.000	J	1600	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Phenol	4,100.000	J	1300	9600	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Pyrene	4,300.000	J	1200	4800	ug/Kg
P4776-05	MDL-MED-SOIL-QT4-2	Solid	Pyridine	4,000.000	J	200	9600	ug/Kg

Total Svoc : 286,700.00

Total Concentration: 286,700.00

Client ID : SVOC-GPC2-BLANK



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

Hit Summary Sheet
SW-846

SDG No.: BN120324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5050-10	SVOC-GPC2-BLANK	Solid	Total Alkanes	*	0.000	140	510	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN120224

SAS No.: BN120224

SDG No.: BN120224

Instrument ID: _____

Calibration Date(s): 12/2/2024 : _____

Calibration Time(s): 13:03 _____

LAB FILE ID:		RRFAL1 = BN035384.D		RRFAL2 = BN035385.D		RRFAL3 = BN035386.D		
		RRFAL4 = BN035387.D		RRFAL5 = BN035388.D		RRFAL6 = BN035389.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.587	0.458	0.481	0.431	0.417		0.475	14.2
Benzaldehyde		0.949	0.985	0.805	0.630	0.473	0.769	28.2
Pyridine		1.113	1.192	1.149	1.106	1.034	1.119	5.2
Hexachloroethane	0.590	0.501	0.547	0.528	0.518		0.537	6.3
Nitrobenzene	0.333	0.294	0.348	0.337	0.320		0.326	6.4
Isophorone	0.706	0.592	0.699	0.653	0.620		0.654	7.6
2-Nitrophenol	0.164	0.144	0.185	0.182	0.177		0.170	9.7
2,4-Dimethylphenol	0.380	0.312	0.364	0.332	0.321		0.342	8.5
Bis(2-Chloroethoxy)methane	0.450	0.376	0.415	0.386	0.365		0.398	8.6
2,4-Dichlorophenol	0.363	0.302	0.352	0.332	0.314		0.333	7.6
Naphthalene	1.184	0.969	1.050	0.965	0.914		1.016	10.4
4-Chloroaniline		0.379	0.432	0.401	0.381	0.351	0.389	7.7
Hexachlorobutadiene	0.264	0.227	0.241	0.228	0.213		0.235	8.2
Phenol		1.438	1.576	1.498	1.469	1.396	1.476	4.6
Caprolactam		0.082	0.103	0.102	0.102	0.091	0.096	9.5
4-Chloro-3-methylphenol	0.379	0.315	0.368	0.341	0.329		0.346	7.6
1-Methylnaphthalene	0.909	0.740	0.811	0.740	0.679		0.776	11.3
2-Methylnaphthalene	0.881	0.717	0.799	0.725	0.663		0.757	11.2
Hexachlorocyclopentadiene		0.252	0.309	0.309	0.310	0.300	0.296	8.4
2,4,6-Trichlorophenol	0.399	0.350	0.405	0.389	0.369		0.382	6.0
2,4,5-Trichlorophenol	0.443	0.397	0.453	0.429	0.407		0.426	5.5
1,1-Biphenyl	1.631	1.325	1.424	1.309	1.212		1.380	11.5
2-Chloronaphthalene	1.295	1.053	1.165	1.039	0.968		1.104	11.6
2-Nitroaniline	0.185	0.173	0.233	0.243	0.251		0.217	16.2
Bis(2-Chloroethyl)ether		1.168	1.246	1.180	1.131	1.051	1.155	6.2
Dimethylphthalate	1.651	1.357	1.507	1.382	1.287		1.437	10.0
2,6-Dinitrotoluene	0.200	0.191	0.261	0.272	0.273		0.239	16.9
Acenaphthylene	1.960	1.610	1.770	1.572	1.492		1.681	11.1
3-Nitroaniline		0.210	0.271	0.264	0.251	0.243	0.248	9.5
Acenaphthene	1.416	1.178	1.260	1.142	1.053		1.210	11.3
2,4-Dinitrophenol		0.102	0.159	0.184	0.192	0.200	0.167	23.8
4-Nitrophenol		0.192	0.240	0.231	0.227	0.227	0.223	8.2
Dibenzofuran	2.081	1.679	1.801	1.595	1.446		1.720	13.9
2,4-Dinitrotoluene	0.351	0.330	0.422	0.408	0.389		0.380	10.2
Diethylphthalate	1.587	1.304	1.493	1.358	1.279		1.404	9.4
2-Chlorophenol	1.346	1.189	1.286	1.257	1.204		1.256	5.1

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.: BN120224 SAS No.: BN120224 SDG No.: BN120224

Instrument ID: _____ Calibration Date(s): 12/2/2024 : _____

Calibration Time(s): 13:03 _____

LAB FILE ID:		RRFAL1 = BN035384.D		RRFAL2 = BN035385.D		RRFAL3 = BN035386.D		
		RRFAL4 = BN035387.D		RRFAL5 = BN035388.D		RRFAL6 = BN035389.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.741	1.367	1.459	1.259	1.103		1.386	17.2
4-Chlorophenyl-phenylether	0.890	0.713	0.735	0.645	0.557		0.708	17.4
4-Nitroaniline		0.230	0.282	0.253	0.229	0.208	0.241	11.8
4,6-Dinitro-2-methylphenol		0.094	0.123	0.122	0.118	0.115	0.114	10.4
N-Nitrosodiphenylamine	0.607	0.503	0.568	0.508	0.470		0.531	10.4
1,2,4,5-Tetrachlorobenzene	0.664	0.565	0.617	0.574	0.527		0.589	8.9
4-Bromophenyl-phenylether	0.228	0.192	0.217	0.194	0.180		0.202	9.6
Hexachlorobenzene	0.278	0.227	0.258	0.229	0.209		0.240	11.4
Atrazine		0.179	0.217	0.201	0.185	0.167	0.190	10.3
Pentachlorophenol		0.135	0.169	0.162	0.155	0.142	0.152	9.0
2-Methylphenol		1.085	1.211	1.176	1.153	1.103	1.146	4.5
Phenanthrene	1.224	1.006	1.085	0.963	0.871		1.030	12.9
Pentachlorobenzene	0.319	0.256	0.288	0.262	0.240		0.273	11.2
Anthracene	1.239	1.028	1.096	0.959	0.876		1.040	13.3
1,2,3,4-Tetrachlorobenzene	0.293	0.245	0.283	0.257	0.248		0.265	8.1
Carbazole		0.899	0.995	0.896	0.815	0.721	0.865	11.9
Di-n-butylphthalate	1.067	0.920	1.083	1.013	0.951		1.007	7.1
Fluoranthene	1.384	1.159	1.325	1.215	1.117		1.240	9.0
Pyrene	1.554	1.279	1.383	1.261	1.171		1.330	11.0
Butylbenzylphthalate	0.356	0.309	0.393	0.401	0.414		0.375	11.3
3,3-Dichlorobenzidine		0.310	0.403	0.394	0.362	0.314	0.357	12.2
2,2-oxybis (1-Chloropropane)		0.930	0.980	0.943	0.879	0.833	0.913	6.3
Benzo (a) anthracene	1.573	1.287	1.399	1.280	1.175		1.343	11.3
Chrysene	1.520	1.239	1.374	1.215	1.121		1.294	12.0
Bis (2-ethylhexyl) phthalate	0.572	0.510	0.630	0.614	0.629		0.591	8.6
Di-n-octyl phthalate		0.704	0.899	0.926	0.953	1.064	0.909	14.4
Benzo (b) fluoranthene	1.281	1.058	1.255	1.114	1.056		1.153	9.4
Benzo (k) fluoranthene	1.345	1.150	1.249	1.111	1.047		1.180	10.0
Benzo (a) pyrene	1.207	1.026	1.151	1.044	0.981		1.082	8.7
Indeno (1,2,3-cd) pyrene	1.417	1.191	1.347	1.279	1.220		1.291	7.2
Dibenzo (a,h) anthracene	1.144	0.972	1.114	1.024	0.975		1.046	7.6
Benzo (g,h,i) perylene	1.076	0.906	1.012	0.974	0.929		0.980	6.9
Acetophenone		2.062	2.142	2.031	1.864	1.706	1.961	8.9
2,3,4,6-Tetrachlorophenol	0.404	0.349	0.393	0.370	0.339		0.371	7.4
1,4-Dioxane-d8	0.472	0.430	0.430	0.396	0.388		0.423	7.8
Pyridine-d5		1.094	1.192	1.153	1.097	1.041	1.116	5.2

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BN120224 SAS No.: BN120224 SDG No.: BN120224
Instrument ID: _____ Calibration Date(s): 12/2/2024 : _____
Calibration Time(s): 13:03 _____

LAB FILE ID:		RRFAL1 = BN035384.D			RRFAL2 = BN035385.D		RRFAL3 = BN035386.D	
		RRFAL4 = BN035387.D			RRFAL5 = BN035388.D		RRFAL6 = BN035389.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.330	1.498	1.457	1.439	1.400	1.425	4.5
Bis-(2-Chloroethyl)ether-d8		0.795	0.845	0.815	0.789	0.729	0.795	5.4
2-Chlorophenol-d4	1.233	1.128	1.245	1.227	1.204		1.207	3.9
4-Methylphenol-d8		1.177	1.325	1.274	1.234	1.198	1.242	4.8
Nitrobenzene-d5	0.122	0.111	0.137	0.140	0.139		0.130	9.7
2-Nitrophenol-d4	0.136	0.126	0.158	0.164	0.168		0.150	12.3
2,4-Dichlorophenol-d3	0.345	0.297	0.351	0.335	0.316		0.329	6.8
4-Chloroaniline-d4		0.385	0.450	0.420	0.400	0.374	0.406	7.4
4-Methylphenol		1.266	1.379	1.323	1.241	1.156	1.273	6.6
Dimethylphthalate-d6	1.622	1.352	1.515	1.394	1.298		1.436	9.1
Acenaphthylene-d8	1.804	1.495	1.667	1.514	1.428		1.582	9.6
4-Nitrophenol-d4		0.194	0.256	0.250	0.243	0.239	0.236	10.5
Fluorene-d10	1.466	1.209	1.295	1.174	1.057		1.240	12.3
4,6-Dinitro-2-methylphenol-		0.079	0.110	0.112	0.113	0.114	0.105	14.1
Anthracene-d10	1.014	0.857	0.938	0.839	0.763		0.882	10.9
Pyrene-d10	1.192	0.982	1.131	1.022	0.955		1.056	9.6
Benzo(a)pyrene-d12	1.055	0.894	1.024	0.948	0.922		0.968	7.1
N-Nitroso-di-n-propylamine	0.999	0.872	0.975	0.936	0.878		0.932	6.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG NO.: BN120324

EPA Sample No.: SSTD020233 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035386.D Time Analyzed: 10:09

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	85865	7.305	368396	10.05	281180	13.96
UPPER LIMIT	171730	7.805	736792	10.552	562360	14.463
LOWER LIMIT	42932.5	6.805	184198	9.552	140590	13.463
EPA SAMPLE NO.						
01 SBLK141	89585	7.30	388700	10.05	299855	13.96
02 SVOC-GPC2-BLANK	78825	7.30	324440	10.05	258462	13.96
03 MDL-MED-SOIL-QT4-2024-07	75868	7.30	317331	10.05	244157	13.96

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG NO.: BN120324

EPA Sample No.: SSTD020349 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035400.D Time Analyzed: 10:09

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	77198	7.293	325386	10.05	257861	13.96
UPPER LIMIT	154396	7.793	650772	10.546	515722	14.463
LOWER LIMIT	38599	6.793	162693	9.546	128930.5	13.463
EPA SAMPLE NO.						
01 SBLK141	89585	7.30	388700	10.05	299855	13.96
02 SVOC-GPC2-BLANK	78825	7.30	324440	10.05	258462	13.96
03 MDL-MED-SOIL-QT4-2024-07	75868	7.30	317331	10.05	244157	13.96

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.: BN120324 SAS No.: BN120324 SDG NO.: BN120324

EPA Sample No.: SSTD020233 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035386.D Time Analyzed: 10:09

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	630701	16.728	618231	20.98	719370	23.657
UPPER LIMIT	1261402	17.228	1236462	21.48	1438740	24.157
LOWER LIMIT	315350.5	16.228	309115.5	20.48	359685	23.157
EPA SAMPLE NO.						
01 SBLK141	680897	16.73	720121	20.98	832383	23.65
02 SVOC-GPC2-BLANK	612241	16.73	652912	20.98	752287	23.65
03 MDL-MED-SOIL-QT4-2024-07	569065	16.73	598155	20.98	670109	23.65

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN120324 SAS No.: BN120324 SDG NO.: BN120324

EPA Sample No.: SSTD020349 Date Analyzed: Dec 3 2024 12:00AM

Lab File ID: BN035400.D Time Analyzed: 10:09

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	590832	16.728	623287	20.986	753050	23.657
UPPER LIMIT	1181664	17.228	1246574	21.486	1506100	24.157
LOWER LIMIT	295416	16.228	311643.5	20.486	376525	23.157
EPA SAMPLE NO.						
01 SBLK141	680897	16.73	720121	20.98	832383	23.65
02 SVOC-GPC2-BLANK	612241	16.73	652912	20.98	752287	23.65
03 MDL-MED-SOIL-QT4-2024-07	569065	16.73	598155	20.98	670109	23.65

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.

SBLK141

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN120324

SAS No.: BN120324 SDG NO.: BN120324

Lab File ID: BN035401.D

Lab Sample ID: PB165141BL

Instrument ID: BNA_N

Date Extracted: 11/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/03/2024

Level: (low/med) MED

Time Analyzed: 10:09

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-QT4-2024-07	P4776-05	BN035403.D	12/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SVOC-GPC2-BLANK

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BN120324

SAS No.: BN120324 SDG NO.: BN120324

Lab File ID: BN035402.D

Lab Sample ID: P5050-10

Instrument ID: BNA_N

Date Extracted: 12/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/03/2024

Level: (low/med) LOW

Time Analyzed: 10:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SVOC-GPC2-BLANK	P5050-10	BN035402.D	12/03/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BN120324

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4776-05	MDL-MED-SOIL-(BN035403.D		1,4-Dioxane-d8	8	3.42	43		15	120
			Pyridine-d5	40	12.87	32		20	120
			Phenol-d5	40	12.40	31		10	130
			Bis(2-Chloroethyl)ether-d8	40	13.19	33		10	150
			2-Chlorophenol-d4	40	12.17	30		15	120
			4-Methylphenol-d8	40	12.04	30		10	140
			Nitrobenzene-d5	40	12.55	31		10	135
			2-Nitrophenol-d4	40	12.24	31		10	120
			2,4-Dichlorophenol-d3	40	12.36	31		10	140
			4-Chloroaniline-d4	40	12.82	32		1	145
			Dimethylphthalate-d6	40	13.09	33		10	145
			Acenaphthylene-d8	40	13.19	33		15	120
			4-Nitrophenol-d4	40	11.10	28		10	150
			Fluorene-d10	40	13.49	34		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.08	25		10	130
			Anthracene-d10	40	13.18	33		10	150
			Pyrene-d10	40	13.30	33		10	130
			Benzo(a)pyrene-d12	40	13.29	33		10	140
PB165141BL	PB165141BL	BN035401.D	1,4-Dioxane-d8	8	6.38	80		15	120
			Pyridine-d5	40	31.52	79		20	120
			Phenol-d5	40	31.94	80		10	130
			Bis(2-Chloroethyl)ether-d8	40	33.25	83		10	150
			2-Chlorophenol-d4	40	32.16	80		15	120
			4-Methylphenol-d8	40	31.22	78		10	140
			Nitrobenzene-d5	40	33.48	84		10	135
			2-Nitrophenol-d4	40	34.68	87		10	120
			2,4-Dichlorophenol-d3	40	30.23	76		10	140
			4-Chloroaniline-d4	40	32.19	80		1	145
			Dimethylphthalate-d6	40	33.42	84		10	145
			Acenaphthylene-d8	40	32.25	81		15	120
			4-Nitrophenol-d4	40	31.10	78		10	150
			Fluorene-d10	40	31.87	80		20	140
			4,6-Dinitro-2-methylphenol-d2	40	28.32	71		10	130
			Anthracene-d10	40	33.00	82		10	150
			Pyrene-d10	40	31.39	78		10	130
			Benzo(a)pyrene-d12	40	32.92	82		10	140

Surrogate Summary

SW-846

SDG No.: BN120324

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5050-10	SVOC-GPC2-BLA1BN035402.D		1,4-Dioxane-d8	8	0.00	0	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	0.00	0	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	0.00	0	*	10	150
			2-Chlorophenol-d4	40	0.00	0	*	15	120
			4-Methylphenol-d8	40	0.00	0	*	10	140
			Nitrobenzene-d5	40	0.00	0	*	10	135
			2-Nitrophenol-d4	40	0.00	0	*	10	120
			2,4-Dichlorophenol-d3	40	0.00	0	*	10	140
			4-Chloroaniline-d4	40	0.00	0	*	1	145
			Dimethylphthalate-d6	40	0.00	0	*	10	145
			Acenaphthylene-d8	40	0.00	0	*	15	120
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	0.00	0	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	0.00	0	*	10	150
			Pyrene-d10	40	0.00	0	*	10	130
			Benzo(a)pyrene-d12	40	0.00	0	*	10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BN120324

Lab Code: CHEM

SAS No.: BN120324 SDG NO.: BN120324

Lab File ID: BN035399.D

DFTPP Injection Date: 12/03/2024

Instrument ID: BNA_N

DFTPP Injection Time: 08:19

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	41.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.8
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	72.9
443	15.0 - 24.0% of mass 442	13.9 (19) 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
SSTD020349	SSTDCCC020	BN035400.D	12/03/2024	09:30
SBLK141	PB165141BL	BN035401.D	12/03/2024	10:09
SVOC-GPC2-BLANK	P5050-10	BN035402.D	12/03/2024	10:49
MDL-MED-SOIL-QT4-2024-07	P4776-05	BN035403.D	12/03/2024	11:39
SSTD020350	SSTDCCC020EC	BN035404.D	12/03/2024	12:51