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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG No.: BM011325

Instrument ID: BNA_M Calibration Date/Time: 1/13/2025 12 17:02

Lab File ID: BM049341.D Init. Calib. Date(s):

EPA Sample No.: SICV012 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.530	0.510	0.010	-3.7473	40.0
Benzaldehyde	0.905	0.948	0.010	4.7332	40.0
Pyridine	1.556	1.340	0.010	-13.8548	40.0
Phenol	1.746	1.632	0.080	-6.4868	20.0
Bis(2-Chloroethyl)ether	1.421	1.355	0.100	-4.6935	20.0
2-Chlorophenol	1.335	1.285	0.200	-3.7689	20.0
2-Methylphenol	1.275	1.184	0.010	-7.1734	20.0
2,2-oxybis(1-Chloropropane)	2.130	2.161	0.010	1.4191	40.0
Acetophenone	2.126	2.140	0.060	0.6344	20.0
4-Methylphenol	1.397	1.307	0.010	-6.4943	20.0
N-Nitroso-di-n-propylamine	1.148	1.176	0.050	2.4188	30.0
Hexachloroethane	0.574	0.553	0.100	-3.5768	20.0
Nitrobenzene	0.395	0.385	0.050	-2.5155	25.0
Isophorone	0.768	0.739	0.050	-3.7543	25.0
2-Nitrophenol	0.187	0.183	0.050	-2.2963	25.0
2,4-Dimethylphenol	0.351	0.293	0.050	-16.318	25.0
Bis(2-Chloroethoxy)methane	0.472	0.452	0.050	-4.1719	20.0
2,4-Dichlorophenol	0.347	0.336	0.060	-2.9529	20.0
Naphthalene	1.061	1.016	0.200	-4.2378	20.0
4-Chloroaniline	0.437	0.423	0.010	-3.1131	40.0
Hexachlorobutadiene	0.247	0.248	0.040	0.1878	30.0
Caprolactam	0.103	0.096	0.010	-6.7543	40.0
4-Chloro-3-methylphenol	0.324	0.309	0.040	-4.6863	25.0
1-Methylnaphthalene	0.756	0.698	0.100	-7.6906	20.0
2-Methylnaphthalene	0.760	0.754	0.100	-0.7558	20.0
Hexachlorocyclopentadiene	0.415	0.426	0.010	2.5041	40.0
2,4,6-Trichlorophenol	0.426	0.416	0.090	-2.3468	25.0
2,4,5-Trichlorophenol	0.456	0.433	0.100	-5.1467	25.0
1,1-Biphenyl	1.464	1.466	0.200	0.1308	20.0
2-Chloronaphthalene	1.171	1.122	0.300	-4.2194	20.0
2-Nitroaniline	0.309	0.304	0.050	-1.675	40.0
Dimethylphthalate	1.473	1.404	0.300	-4.6218	20.0
2,6-Dinitrotoluene	0.275	0.286	0.080	4.1981	30.0
Acenaphthylene	1.742	1.742	0.400	-0.0106	20.0
3-Nitroaniline	0.270	0.279	0.010	3.5326	40.0
Acenaphthene	1.245	1.194	0.200	-4.093	20.0
2,4-Dinitrophenol	0.172	0.165	0.010	-3.8898	40.0
4-Nitrophenol	0.182	0.157	0.010	-13.3843	40.0
Dibenzofuran	1.768	1.731	0.300	-2.0758	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG No.: BM011325

Instrument ID: BNA_M Calibration Date/Time: 1/13/2025 12 17:02

Lab File ID: BM049341.D Init. Calib. Date(s):

EPA Sample No.: SICV012 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.408	0.392	0.070	-3.8871	30.0
Diethylphthalate	1.435	1.363	0.300	-5.0228	20.0
Fluorene	1.444	1.425	0.200	-1.36	20.0
4-Chlorophenyl-phenylether	0.787	0.767	0.100	-2.5715	20.0
4-Nitroaniline	0.243	0.273	0.010	12.4506	40.0
4,6-Dinitro-2-methylphenol	0.139	0.120	0.010	-13.7015	40.0
N-Nitrosodiphenylamine	0.593	0.578	0.050	-2.6256	20.0
1,2,4,5-Tetrachlorobenzene	0.692	0.679	0.100	-1.8487	20.0
4-Bromophenyl-phenylether	0.227	0.216	0.070	-5.1055	20.0
Hexachlorobenzene	0.264	0.247	0.050	-6.4568	25.0
Atrazine	0.243	0.217	0.010	-10.687	25.0
Pentachlorophenol	0.175	0.149	0.010	-15.0989	40.0
Phenanthrene	1.112	1.052	0.200	-5.3963	20.0
Pentachlorobenzene	0.334	0.299	0.050	-10.2756	20.0
Anthracene	1.116	1.082	0.200	-3.0827	20.0
1,2,3,4-Tetrachlorobenzene	0.334	0.311	0.050	-7.027	20.0
Carbazole	0.990	0.931	0.050	-6.0255	40.0
Di-n-butylphthalate	1.213	1.138	0.500	-6.2013	25.0
Fluoranthene	1.399	1.345	0.400	-3.8034	25.0
Pyrene	1.489	1.439	0.400	-3.3515	25.0
Butylbenzylphthalate	0.527	0.500	0.100	-5.0994	40.0
3,3-Dichlorobenzidine	0.375	0.422	0.010	12.6587	40.0
Benzo(a)anthracene	1.394	1.312	0.300	-5.8795	30.0
Chrysene	1.272	1.219	0.200	-4.2046	30.0
Bis(2-ethylhexyl)phthalate	0.784	0.749	0.200	-4.5091	40.0
Di-n-octyl phthalate	1.457	1.294	0.010	-11.1563	40.0
Benzo(b)fluoranthene	1.339	1.272	0.200	-4.9472	25.0
Benzo(k)fluoranthene	1.335	1.295	0.200	-2.9921	25.0
Benzo(a)pyrene	1.209	1.181	0.200	-2.3218	20.0
Indeno(1,2,3-cd)pyrene	1.387	1.260	0.200	-9.1818	25.0
Dibenzo(a,h)anthracene	1.130	1.038	0.200	-8.1019	30.0
Benzo(g,h,i)perylene	1.035	0.924	0.200	-10.7625	30.0
2,3,4,6-Tetrachlorophenol	0.386	0.392	0.040	1.7072	20.0
1,4-Dioxane-d8	0.483	0.461	0.010	-4.6677	25.0
Pyridine-d5	1.539	1.498	0.010	-2.6671	40.0
Phenol-d5	1.679	1.670	0.010	-0.5191	25.0
Bis-(2-Chloroethyl)ether-d8	1.118	1.277	0.050	14.2455	25.0
2-Chlorophenol-d4	1.284	1.338	0.200	4.1961	20.0
4-Methylphenol-d8	1.302	1.294	0.010	-0.6342	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG No.: BM011325

Instrument ID: BNA_M Calibration Date/Time: 1/13/2025 12 17:02

Lab File ID: BM049341.D Init. Calib. Date(s):

EPA Sample No.: SICV012 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.153	0.161	0.050	5.3124	20.0
2-Nitrophenol-d4	0.170	0.179	0.050	5.2432	30.0
2,4-Dichlorophenol-d3	0.348	0.368	0.060	5.654	20.0
4-Chloroaniline-d4	0.458	0.453	0.010	-1.0337	40.0
Dimethylphthalate-d6	1.489	1.517	0.300	1.8868	20.0
Acenaphthylene-d8	1.699	1.801	0.400	5.9628	20.0
4-Nitrophenol-d4	0.247	0.228	0.010	-7.4168	40.0
Fluorene-d10	1.286	1.335	0.100	3.8448	20.0
4,6-Dinitro-2-methylphenol-d2	0.127	0.117	0.010	-8.2758	40.0
Anthracene-d10	0.989	1.017	0.300	2.8696	20.0
Pyrene-d10	1.217	1.260	0.300	3.5035	25.0
Benzo(a)pyrene-d12	1.074	1.100	0.010	2.4362	20.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:			
Sample Wt/Vol:	Units:	Final Vol:	
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID

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

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Hit Summary Sheet
SW-846

SDG No.: BM011325

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG No.: BM011325

Instrument ID: Calibration Date(s): 1/13/2025

Calibration Time(s): 13:05

LAB FILE ID: RRFAL1 = BM049335.D RRFAL2 = BM049336.D RRFAL3 = BM049337.D
RRFAL4 = BM049338.D RRFAL5 = BM049339.D RRFAL6 = BM049340.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.562	0.516	0.589	0.492	0.488		0.530	8.4
Benzaldehyde		1.041	1.248	0.978	0.728	0.531	0.905	30.9
Pyridine		1.416	1.745	1.540	1.526	1.552	1.556	7.6
Hexachloroethane	0.530	0.530	0.649	0.584	0.576		0.574	8.6
Nitrobenzene	0.358	0.367	0.442	0.407	0.402		0.395	8.6
Isophorone	0.682	0.706	0.866	0.804	0.781		0.768	9.7
2-Nitrophenol	0.155	0.165	0.211	0.200	0.206		0.187	13.7
2,4-Dimethylphenol	0.315	0.322	0.393	0.364	0.360		0.351	9.1
Bis(2-Chloroethoxy)methane	0.425	0.442	0.529	0.487	0.477		0.472	8.6
2,4-Dichlorophenol	0.299	0.320	0.391	0.364	0.360		0.347	10.6
Naphthalene	0.976	0.978	1.178	1.096	1.080		1.061	8.1
4-Chloroaniline		0.381	0.477	0.452	0.441	0.431	0.437	8.1
Hexachlorobutadiene	0.231	0.236	0.277	0.247	0.246		0.247	7.3
Phenol		1.549	1.904	1.747	1.772	1.755	1.746	7.3
Caprolactam		0.091	0.118	0.108	0.100	0.099	0.103	9.9
4-Chloro-3-methylphenol	0.269	0.287	0.374	0.351	0.339		0.324	13.6
1-Methylnaphthalene	0.674	0.701	0.853	0.790	0.762		0.756	9.4
2-Methylnaphthalene	0.679	0.698	0.852	0.795	0.773		0.760	9.4
Hexachlorocyclopentadiene		0.333	0.412	0.414	0.444	0.474	0.415	12.7
2,4,6-Trichlorophenol	0.352	0.381	0.474	0.457	0.466		0.426	13.0
2,4,5-Trichlorophenol	0.370	0.414	0.509	0.494	0.496		0.456	13.5
1,1-Biphenyl	1.317	1.341	1.626	1.534	1.503		1.464	9.0
2-Chloronaphthalene	1.071	1.074	1.295	1.219	1.196		1.171	8.3
2-Nitroaniline	0.239	0.272	0.353	0.342	0.339		0.309	16.3
Bis(2-Chloroethyl)ether		1.307	1.591	1.416	1.408	1.385	1.421	7.3
Dimethylphthalate	1.380	1.395	1.654	1.506	1.428		1.473	7.6
2,6-Dinitrotoluene	0.210	0.239	0.317	0.306	0.301		0.275	17.2
Acenaphthylene	1.568	1.598	1.948	1.826	1.771		1.742	9.1
3-Nitroaniline		0.226	0.304	0.289	0.264	0.264	0.270	11.0
Acenaphthene	1.125	1.155	1.394	1.299	1.251		1.245	8.8
2,4-Dinitrophenol		0.113	0.167	0.180	0.189	0.211	0.172	21.4
4-Nitrophenol		0.151	0.199	0.190	0.182	0.188	0.182	10.0
Dibenzofuran	1.655	1.678	1.992	1.811	1.702		1.768	7.9
2,4-Dinitrotoluene	0.328	0.371	0.479	0.443	0.417		0.408	14.6
Diethylphthalate	1.307	1.367	1.641	1.492	1.369		1.435	9.3
2-Chlorophenol	1.182	1.217	1.510	1.374	1.391		1.335	10.1

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG No.: BM011325

Instrument ID: Calibration Date(s): 1/13/2025

Calibration Time(s): 13:05

LAB FILE ID: RRFAL1 = BM049335.D RRFAL2 = BM049336.D RRFAL3 = BM049337.D
RRFAL4 = BM049338.D RRFAL5 = BM049339.D RRFAL6 = BM049340.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.308	1.389	1.687	1.501	1.337		1.444	10.7
4-Chlorophenyl-phenylether	0.719	0.754	0.890	0.816	0.756		0.787	8.5
4-Nitroaniline		0.220	0.307	0.266	0.216	0.203	0.243	17.7
4,6-Dinitro-2-methylphenol		0.108	0.145	0.143	0.147	0.153	0.139	12.7
N-Nitrosodiphenylamine	0.513	0.538	0.665	0.630	0.621		0.593	10.9
1,2,4,5-Tetrachlorobenzene	0.622	0.632	0.745	0.716	0.746		0.692	8.8
4-Bromophenyl-phenylether	0.188	0.203	0.249	0.243	0.254		0.227	13.1
Hexachlorobenzene	0.235	0.241	0.288	0.275	0.283		0.264	9.3
Atrazine		0.216	0.266	0.249	0.243	0.239	0.243	7.4
Pentachlorophenol		0.139	0.179	0.177	0.186	0.196	0.175	12.4
2-Methylphenol		1.089	1.395	1.299	1.311	1.282	1.275	8.8
Phenanthrene	0.993	1.024	1.245	1.160	1.136		1.112	9.3
Pentachlorobenzene	0.287	0.298	0.363	0.348	0.371		0.334	11.5
Anthracene	0.988	1.032	1.261	1.176	1.123		1.116	9.8
1,2,3,4-Tetrachlorobenzene	0.279	0.291	0.358	0.350	0.393		0.334	14.3
Carbazole		0.900	1.106	1.003	0.964	0.979	0.990	7.6
Di-n-butylphthalate	1.060	1.119	1.393	1.288	1.206		1.213	10.9
Fluoranthene	1.105	1.179	1.569	1.594	1.547		1.399	16.9
Pyrene	1.215	1.281	1.672	1.676	1.600		1.489	15.0
Butylbenzylphthalate	0.405	0.441	0.603	0.599	0.588		0.527	18.3
3,3-Dichlorobenzidine		0.326	0.423	0.392	0.373	0.359	0.375	9.7
2,2-oxybis(1-Chloropropane)		2.023	2.443	2.156	2.068	1.962	2.130	8.9
Benzo(a)anthracene	1.244	1.277	1.556	1.455	1.436		1.394	9.4
Chrysene	1.136	1.157	1.426	1.322	1.321		1.272	9.7
Bis(2-ethylhexyl)phthalate	0.613	0.680	0.900	0.881	0.846		0.784	16.5
Di-n-octyl phthalate		1.083	1.615	1.583	1.583	1.421	1.457	15.3
Benzo(b)fluoranthene	1.108	1.153	1.510	1.441	1.481		1.339	14.4
Benzo(k)fluoranthene	1.102	1.152	1.548	1.444	1.429		1.335	14.7
Benzo(a)pyrene	1.012	1.050	1.367	1.295	1.322		1.209	13.7
Indeno(1,2,3-cd)pyrene	1.171	1.182	1.480	1.479	1.623		1.387	14.5
Dibenzo(a,h)anthracene	0.947	0.958	1.212	1.208	1.324		1.130	14.9
Benzo(g,h,i)perylene	0.886	0.874	1.097	1.110	1.209		1.035	14.3
Acetophenone		1.953	2.429	2.250	2.096	1.904	2.126	10.2
2,3,4,6-Tetrachlorophenol	0.328	0.355	0.436	0.407	0.402		0.386	11.3
1,4-Dioxane-d8	0.465	0.469	0.551	0.472	0.459		0.483	7.9
Pyridine-d5		1.348	1.729	1.522	1.530	1.565	1.539	8.8

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG No.: BM011325

Instrument ID: Calibration Date(s): 1/13/2025

Calibration Time(s): 13:05

LAB FILE ID: RRFAL1 = BM049335.D RRFAL2 = BM049336.D RRFAL3 = BM049337.D
RRFAL4 = BM049338.D RRFAL5 = BM049339.D RRFAL6 = BM049340.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.439	1.824	1.686	1.719	1.726	1.679	8.6
Bis-(2-Chloroethyl)ether-d8		1.034	1.273	1.116	1.094	1.072	1.118	8.2
2-Chlorophenol-d4	1.111	1.146	1.463	1.335	1.366		1.284	11.7
4-Methylphenol-d8		1.111	1.434	1.339	1.335	1.290	1.302	9.1
Nitrobenzene-d5	0.129	0.138	0.171	0.161	0.164		0.153	11.8
2-Nitrophenol-d4	0.132	0.150	0.193	0.186	0.193		0.170	16.5
2,4-Dichlorophenol-d3	0.290	0.311	0.395	0.371	0.373		0.348	13.0
4-Chloroaniline-d4		0.401	0.499	0.472	0.463	0.454	0.458	7.9
4-Methylphenol		1.205	1.527	1.443	1.444	1.367	1.397	8.7
Dimethylphthalate-d6	1.363	1.408	1.681	1.530	1.460		1.489	8.3
Acenaphthylene-d8	1.466	1.552	1.916	1.811	1.753		1.699	11.0
4-Nitrophenol-d4		0.192	0.265	0.258	0.252	0.266	0.247	12.5
Fluorene-d10	1.154	1.219	1.462	1.332	1.263		1.286	9.2
4,6-Dinitro-2-methylphenol-		0.094	0.130	0.131	0.138	0.144	0.127	15.3
Anthracene-d10	0.867	0.920	1.118	1.032	1.007		0.989	9.9
Pyrene-d10	0.962	1.040	1.367	1.366	1.350		1.217	16.4
Benzo(a)pyrene-d12	0.870	0.930	1.211	1.154	1.202		1.074	15.0
N-Nitroso-di-n-propylamine	1.005	1.061	1.348	1.221	1.108		1.148	11.9

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG NO.: BM011325

EPA Sample No.: SSTD020008 Date Analyzed: Jan 13 2025 12:00AM

Lab File ID: BM049337.D Time Analyzed: 17:02

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	256234	7.522	1.04857e+0(	10.29	749587	14.16
	UPPER LIMIT	512468	8.022	2097140	10.786	1499174	14.663
	LOWER LIMIT	128117	7.022	524285	9.786	374793.5	13.663
	EPA SAMPLE NO.						
01	SICV012	256987	7.52	1.0292e+	10.29	717479	14.16

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG NO.: BM011325

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG NO.: BM011325

EPA Sample No.: SSTD020008 Date Analyzed: Jan 13 2025 12:00AM

Lab File ID: BM049337.D Time Analyzed: 17:02

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.54387e+0(	16.915	1.43091e+	21.145	1.19661e+0(	23.933
	UPPER LIMIT	3087740	17.415	2861820	21.645	2393220	24.433
	LOWER LIMIT	771935	16.415	715455	20.645	598305	23.433
	EPA SAMPLE NO.						
01	SICV012	1.46092	16.92	1.3207e+0	21.15	1.13182e+	23.93

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG NO.: BM011325

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM011325

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	1,4-Dioxane	8	0	ug/L	0				0	0	
	Benzaldehyde	20	0	ug/L	0				0	0	
	Pyridine	20	0	ug/L	0				0	0	
	Phenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethyl)ether	20	0	ug/L	0				0	0	
	2-Chlorophenol	20	0	ug/L	0				0	0	
	2-Methylphenol	20	0	ug/L	0				0	0	
	2,2-oxybis(1-Chloropropane)	20	0	ug/L	0				0	0	
	Acetophenone	20	0	ug/L	0				0	0	
	4-Methylphenol	20	0	ug/L	0				0	0	
	N-Nitroso-di-n-propylamine	20	0	ug/L	0				0	0	
	Hexachloroethane	20	0	ug/L	0				0	0	
	Nitrobenzene	20	0	ug/L	0				0	0	
	Isophorone	20	0	ug/L	0				0	0	
	2-Nitrophenol	20	0	ug/L	0				0	0	
	2,4-Dimethylphenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethoxy)methane	20	0	ug/L	0				0	0	
	2,4-Dichlorophenol	20	0	ug/L	0				0	0	
	Naphthalene	20	0	ug/L	0				0	0	
	4-Chloroaniline	20	0	ug/L	0				0	0	
	Hexachlorobutadiene	20	0	ug/L	0				0	0	
	Caprolactam	20	0	ug/L	0				0	0	
	4-Chloro-3-methylphenol	20	0	ug/L	0				0	0	
	1-Methylnaphthalene	20	0	ug/L	0				0	0	
	2-Methylnaphthalene	20	0	ug/L	0				0	0	
	Hexachlorocyclopentadiene	20	0	ug/L	0				0	0	
	2,4,6-Trichlorophenol	20	0	ug/L	0				0	0	
	2,4,5-Trichlorophenol	20	0	ug/L	0				0	0	
	1,1'-Biphenyl	20	0	ug/L	0				0	0	
	2-Chloronaphthalene	20	0	ug/L	0				0	0	
	2-Nitroaniline	20	0	ug/L	0				0	0	
	Dimethylphthalate	20	0	ug/L	0				0	0	
	2,6-Dinitrotoluene	20	0	ug/L	0				0	0	
	Acenaphthylene	20	0	ug/L	0				0	0	
	3-Nitroaniline	20	0	ug/L	0				0	0	
	Acenaphthene	20	0	ug/L	0				0	0	
	2,4-Dinitrophenol	20	0	ug/L	0				0	0	
	4-Nitrophenol	20	0	ug/L	0				0	0	
	Dibenzofuran	20	0	ug/L	0				0	0	
	2,4-Dinitrotoluene	20	0	ug/L	0				0	0	
	Diethylphthalate	20	0	ug/L	0				0	0	
	Fluorene	20	0	ug/L	0				0	0	
	4-Chlorophenyl-phenylether	20	0	ug/L	0				0	0	
	4-Nitroaniline	20	0	ug/L	0				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM011325

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	
	1,2,4,5-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	4-Bromophenyl-phenylether	20	0	ug/L	0				0	0	
	Hexachlorobenzene	20	0	ug/L	0				0	0	
	Atrazine	20	0	ug/L	0				0	0	
	Pentachlorophenol	20	0	ug/L	0				0	0	
	Phenanthrene	20	0	ug/L	0				0	0	
	Pentachlorobenzene	20	0	ug/L	0				0	0	
	Anthracene	20	0	ug/L	0				0	0	
	1,2,3,4-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	Carbazole	20	0	ug/L	0				0	0	
	Di-n-butylphthalate	20	0	ug/L	0				0	0	
	Fluoranthene	20	0	ug/L	0				0	0	
	Pyrene	20	0	ug/L	0				0	0	
	Butylbenzylphthalate	20	0	ug/L	0				0	0	
	3,3'-Dichlorobenzidine	20	0	ug/L	0				0	0	
	Benzo(a)anthracene	20	0	ug/L	0				0	0	
	Chrysene	20	0	ug/L	0				0	0	
	Bis(2-ethylhexyl)phthalate	20	0	ug/L	0				0	0	
	Di-n-octylphthalate	20	0	ug/L	0				0	0	
	Benzo(b)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(k)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(a)pyrene	20	0	ug/L	0				0	0	
	Indeno(1,2,3-cd)pyrene	20	0	ug/L	0				0	0	
	Dibenzo(a,h)anthracene	20	0	ug/L	0				0	0	
	Benzo(g,h,i)perylene	20	0	ug/L	0				0	0	
	2,3,4,6-Tetrachlorophenol	20	0	ug/L	0				0	0	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM011325 SAS No.: BM011325 SDG NO.: BM011325

Lab File ID: Lab Sample ID:

Instrument ID: Date Extracted:

Matrix: (soil/water) Date Analyzed:

Level: (low/med) Time Analyzed:

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method:

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BM011325

Lab Code: CHEM SAS No.: BM011325 SDG NO.: BM011325

Lab File ID: BM049334.D DFTPP Injection Date: 01/13/2025

Instrument ID: BNA_M DFTPP Injection Time: 12:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.6
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	32.4
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	40.4
197	Less than 2.0% of mass 198	0.3
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	24.8
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	11.3
442	Greater than 50% of mass 198	71.5
443	15.0 - 24.0% of mass 442	13.6 (19.1) 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
SSTD005006	SSTD00566	BM049335.D	01/13/2025	13:05
SSTD010007	SSTD01067	BM049336.D	01/13/2025	13:44
SSTD020008	SSTD02068	BM049337.D	01/13/2025	14:23
SSTD040009	SSTD04069	BM049338.D	01/13/2025	15:02
SSTD080010	SSTD08070	BM049339.D	01/13/2025	15:41
SSTD160011	SSTD16071	BM049340.D	01/13/2025	16:20
SICV012	SSTDICV020	BM049341.D	01/13/2025	17:02