

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1584 SAS No.: Q1584 SDG No.: Q1584

Instrument ID: BNA_M Calibration Date/Time: 03/20/2025 09:09

Lab File ID: BM049726.D Init. Calib. Date(s): 03/14/2025 03/14/2025

EPA Sample No.: SSTD020090 Init. Calib. Time(s): 10:39 14:03

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.518	0.562	0.010	8.6	40.0
Benzaldehyde	0.864	1.119	0.010	29.5	40.0
Phenol	1.678	1.728	0.080	3.0	20.0
Bis(2-Chloroethyl)ether	1.345	1.434	0.100	6.6	20.0
2-Chlorophenol	1.267	1.354	0.200	6.9	20.0
2-Methylphenol	1.225	1.232	0.010	0.5	20.0
2,2-oxybis(1-Chloropropane)	1.676	1.838	0.010	9.7	40.0
Acetophenone	2.066	2.178	0.060	5.4	20.0
4-Methylphenol	1.351	1.346	0.010	-0.3	20.0
N-Nitroso-di-n-propylamine	1.068	1.135	0.050	6.2	30.0
Hexachloroethane	0.550	0.603	0.100	9.6	20.0
Nitrobenzene	0.380	0.413	0.050	8.6	25.0
Isophorone	0.740	0.770	0.050	4.1	25.0
2-Nitrophenol	0.182	0.188	0.050	3.3	25.0
2,4-Dimethylphenol	0.335	0.358	0.050	6.8	25.0
Bis(2-Chloroethoxy)methane	0.456	0.489	0.050	7.3	20.0
2,4-Dichlorophenol	0.355	0.379	0.060	6.6	20.0
Naphthalene	1.039	1.110	0.200	6.8	20.0
4-Chloroaniline	0.431	0.453	0.010	5.1	40.0
Hexachlorobutadiene	0.255	0.271	0.040	6.4	30.0
Caprolactam	0.101	0.090	0.010	-10.7	40.0
4-Chloro-3-methylphenol	0.319	0.325	0.040	2.0	25.0
2-Methylnaphthalene	0.776	0.815	0.100	5.1	20.0
Hexachlorocyclopentadiene	0.435	0.422	0.010	-3.0	40.0
2,4,6-Trichlorophenol	0.422	0.449	0.090	6.2	25.0
2,4,5-Trichlorophenol	0.454	0.479	0.100	5.6	25.0
1,1-Biphenyl	1.484	1.632	0.200	10.0	20.0
2-Chloronaphthalene	1.175	1.311	0.300	11.6	20.0
2-Nitroaniline	0.288	0.301	0.050	4.6	40.0
Dimethylphthalate	1.453	1.488	0.300	2.4	20.0
2,6-Dinitrotoluene	0.274	0.277	0.080	1.1	30.0
Acenaphthylene	1.750	1.884	0.400	7.7	20.0
3-Nitroaniline	0.260	0.267	0.010	2.4	40.0
Acenaphthene	1.260	1.346	0.200	6.8	20.0
2,4-Dinitrophenol	0.167	0.123	0.010	-26.5	40.0
4-Nitrophenol	0.192	0.183	0.010	-4.4	40.0
Dibenzofuran	1.775	1.870	0.300	5.3	20.0
2,4-Dinitrotoluene	0.396	0.391	0.070	-1.2	30.0
Diethylphthalate	1.398	1.372	0.300	-1.9	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1584 SAS No.: Q1584 SDG No.: Q1584

Instrument ID: BNA_M Calibration Date/Time: 03/20/2025 09:09

Lab File ID: BM049726.D Init. Calib. Date(s): 03/14/2025 03/14/2025

EPA Sample No.: SSTD020090 Init. Calib. Time(s): 10:39 14:03

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.540	1.608	0.200	4.5	20.0
4-Chlorophenyl-phenylether	0.853	0.867	0.100	1.6	20.0
4-Nitroaniline	0.246	0.265	0.010	7.5	40.0
4,6-Dinitro-2-methylphenol	0.139	0.118	0.010	-15.4	40.0
N-Nitrosodiphenylamine	0.607	0.668	0.050	10.1	20.0
1,2,4,5-Tetrachlorobenzene	0.725	0.784	0.100	8.1	20.0
4-Bromophenyl-phenylether	0.239	0.249	0.070	4.2	20.0
Hexachlorobenzene	0.270	0.283	0.050	5.0	25.0
Atrazine	0.234	0.229	0.010	-2.0	25.0
Pentachlorophenol	0.174	0.149	0.010	-14.2	40.0
Phenanthrene	1.132	1.197	0.200	5.7	20.0
Anthracene	1.132	1.219	0.200	7.7	20.0
Carbazole	0.971	1.002	0.050	3.1	40.0
Di-n-butylphthalate	1.124	1.082	0.500	-3.7	25.0
Fluoranthene	1.375	1.622	0.400	18.0	25.0
Pyrene	1.459	1.747	0.400	19.8	25.0
Butylbenzylphthalate	0.466	0.466	0.100	-0.1	40.0
3,3-Dichlorobenzidine	0.414	0.369	0.010	-10.8	40.0
Benzo(a)anthracene	1.378	1.482	0.300	7.6	30.0
Chrysene	1.239	1.358	0.200	9.6	30.0
Bis(2-ethylhexyl)phthalate	0.689	0.694	0.200	0.8	40.0
Di-n-octyl phthalate	1.317	1.140	0.010	-13.4	40.0
Benzo(b)fluoranthene	1.374	1.406	0.200	2.3	25.0
Benzo(k)fluoranthene	1.376	1.447	0.200	5.2	25.0
Benzo(a)pyrene	1.215	1.290	0.200	6.1	20.0
Indeno(1,2,3-cd)pyrene	1.306	1.511	0.200	15.7	25.0
Dibenzo(a,h)anthracene	1.060	1.222	0.200	15.3	30.0
Benzo(g,h,i)perylene	0.969	1.158	0.200	19.5	30.0
2,3,4,6-Tetrachlorophenol	0.373	0.352	0.040	-5.8	20.0
1,4-Dioxane-d8	0.486	0.549	0.010	13.1	25.0
Pyridine-d5	1.493	1.605	0.010	7.5	40.0
Phenol-d5	1.635	1.646	0.010	0.7	25.0
Bis-(2-Chloroethyl)ether-d8	1.020	1.111	0.050	8.9	25.0
2-Chlorophenol-d4	1.228	1.310	0.200	6.7	20.0
4-Methylphenol-d8	1.270	1.273	0.010	0.3	20.0
Nitrobenzene-d5	0.152	0.163	0.050	7.0	20.0
2-Nitrophenol-d4	0.164	0.168	0.050	2.4	30.0
2,4-Dichlorophenol-d3	0.356	0.379	0.060	6.5	20.0
4-Chloroaniline-d4	0.455	0.470	0.010	3.2	40.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1584 SAS No.: Q1584 SDG No.: Q1584

Instrument ID: BNA_M Calibration Date/Time: 03/20/2025 09:09

Lab File ID: BM049726.D Init. Calib. Date(s): 03/14/2025 03/14/2025

EPA Sample No.: SSTD020090 Init. Calib. Time(s): 10:39 14:03

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.474	1.501	0.300	1.8	20.0
Acenaphthylene-d8	1.717	1.860	0.400	8.3	20.0
4-Nitrophenol-d4	0.251	0.225	0.010	-10.1	40.0
Fluorene-d10	1.314	1.345	0.100	2.4	20.0
4,6-Dinitro-2-methylphenol-d2	0.125	0.101	0.010	-19.8	40.0
Anthracene-d10	1.015	1.070	0.300	5.4	20.0
Pyrene-d10	1.223	1.400	0.300	14.5	25.0
Benzo(a)pyrene-d12	1.076	1.140	0.010	6.0	20.0

All other compounds must meet a minimum RRF of 0.010.