

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: BNA_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.493	0.486		-1.4	
Pyridine	1.258	1.221		-2.9	
2-Fluorophenol	1.142	1.109		-2.9	
Benzaldehyde	0.961	0.933		-2.9	
Aniline	1.813	1.775		-2.1	
Phenol-d6	1.436	1.425		-0.8	
Phenol	1.453	1.439		-1.0	20.0
bis(2-Chloroethyl) ether	1.214	1.166		-4.0	
2-Chlorophenol	1.235	1.198		-3.0	
1,2-Dichlorobenzene	1.448	1.357		-6.3	
1,3-Dichlorobenzene	1.492	1.402		-6.0	
1,4-Dichlorobenzene	1.499	1.405		-6.3	20.0
Benzyl Alcohol	0.996	1.014		1.8	
2-Methylphenol	0.957	0.937		-2.1	
2,2-oxybis(1-Chloropropane)	1.475	1.453		-1.5	
Acetophenone	0.497	0.474		-4.6	
3+4-Methylphenols	1.293	1.279		-1.1	
n-Nitroso-di-n-propylamine	0.921	0.911	0.050	-1.1	
Nitrobenzene-d5	0.406	0.390		-3.9	
Hexachloroethane	0.533	0.500		-6.2	
Nitrobenzene	0.351	0.337		-4.0	
Isophorone	0.692	0.663		-4.2	
2-Nitrophenol	0.179	0.183		2.2	20.0
2,4-Dimethylphenol	0.297	0.293		-1.3	
bis(2-Chloroethoxy) methane	0.428	0.411		-4.0	
2,4-Dichlorophenol	0.333	0.322		-3.3	20.0
1,2,4-Trichlorobenzene	0.406	0.381		-6.2	
Benzoic acid	0.190	0.182		-4.2	
Naphthalene	1.013	0.949		-6.3	
4-Chloroaniline	0.415	0.399		-3.9	
Hexachlorobutadiene	0.258	0.244		-5.4	20.0
Caprolactam	0.097	0.090		-7.2	
4-Chloro-3-methylphenol	0.308	0.293		-4.9	20.0
2-Methylnaphthalene	0.679	0.643		-5.3	
Hexachlorocyclopentadiene	0.423	0.394	0.050	-6.9	
2,4,6-Trichlorophenol	0.439	0.444		1.1	20.0
2-Fluorobiphenyl	1.691	1.640		-3.0	
2,4,5-Trichlorophenol	0.474	0.470		-0.8	
1,1-Biphenyl	1.487	1.422		-4.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.177	1.124		-4.5	
2-Nitroaniline	0.276	0.277		0.4	
Dimethylphthalate	1.462	1.353		-7.5	
Acenaphthylene	1.857	1.762		-5.1	
2,6-Dinitrotoluene	0.303	0.293		-3.3	
3-Nitroaniline	0.289	0.282		-2.4	
Acenaphthene	1.075	1.012		-5.9	20.0
2,4-Dinitrophenol	0.164	0.155	0.050	-5.5	
4-Nitrophenol	0.205	0.181	0.050	-11.7	
Dibenzofuran	1.788	1.680		-6.0	
2,4-Dinitrotoluene	0.418	0.409		-2.2	
Diethylphthalate	1.377	1.253		-9.0	
4-Chlorophenyl-phenylether	0.804	0.768		-4.5	
Fluorene	1.463	1.365		-6.7	
4-Nitroaniline	0.279	0.246		-11.8	
4,6-Dinitro-2-methylphenol	0.125	0.121		-3.2	
n-Nitrosodiphenylamine	0.614	0.603		-1.8	20.0
Azobenzene	1.154	1.070		-7.3	
2,4,6-Tribromophenol	0.296	0.286		-3.4	
4-Bromophenyl-phenylether	0.242	0.240		-0.8	
Hexachlorobenzene	0.279	0.271		-2.9	
Atrazine	0.222	0.212		-4.5	
Pentachlorophenol	0.157	0.148		-5.7	20.0
Phenanthrene	1.128	1.059		-6.1	
Anthracene	1.142	1.078		-5.6	
Carbazole	0.991	0.919		-7.3	
Di-n-butylphthalate	1.180	1.082		-8.3	
Fluoranthene	1.324	1.185		-10.5	20.0
Benzidine	0.710	0.715		0.7	
Pyrene	1.404	1.584		12.8	
Terphenyl-d14	1.352	1.555		15.0	
Butylbenzylphthalate	0.526	0.538		2.3	
3,3-Dichlorobenzidine	0.527	0.482		-8.5	
Benzo(a)anthracene	1.377	1.314		-4.6	
Chrysene	1.275	1.201		-5.8	
Bis(2-ethylhexyl)phthalate	0.786	0.738		-6.1	
Di-n-octyl phthalate	1.296	1.114		-14.0	20.0
Benzo(b)fluoranthene	1.301	1.242		-4.5	
Benzo(k)fluoranthene	1.316	1.279		-2.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.218	1.160		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.490	1.414		-5.1	
Dibenzo(a,h)anthracene	1.215	1.154		-5.0	
Benzo(g,h,i)perylene	1.163	1.097		-5.7	
1,2,4,5-Tetrachlorobenzene	0.692	0.686		-0.9	
1,4-Dioxane	0.490	0.453		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.385		-6.1	
1-Methylnaphthalene	0.719	0.672		-6.5	

All other compounds must meet a minimum RRF of 0.010.