

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_F Calibration Date/Time: 06/05/2025 09:37

Lab File ID: BF142625.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.156		-2.6	
Benzaldehyde	0.859	0.797		-7.2	
Phenol-d6	1.429	1.381		-3.4	
Phenol	1.608	1.568		-2.5	20.0
bis(2-Chloroethyl)ether	1.157	1.130		-2.3	
2-Chlorophenol	1.293	1.266		-2.1	
2-Methylphenol	1.010	0.977		-3.3	
2,2-oxybis(1-Chloropropane)	1.944	1.876		-3.5	
Acetophenone	0.443	0.410		-7.4	
3+4-Methylphenols	1.293	1.213		-6.2	
n-Nitroso-di-n-propylamine	0.886	0.819	0.050	-7.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.492		-3.0	
Nitrobenzene	0.331	0.312		-5.7	
Isophorone	0.613	0.566		-7.7	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.301		-3.5	
bis(2-Chloroethoxy)methane	0.383	0.362		-5.5	
2,4-Dichlorophenol	0.283	0.271		-4.2	20.0
Naphthalene	0.985	0.923		-6.3	
4-Chloroaniline	0.399	0.383		-4.0	
Hexachlorobutadiene	0.192	0.176		-8.3	20.0
Caprolactam	0.080	0.076		-5.0	
4-Chloro-3-methylphenol	0.291	0.267		-8.2	20.0
2-Methylnaphthalene	0.620	0.579		-6.6	
Hexachlorocyclopentadiene	0.387	0.335	0.050	-13.4	
2,4,6-Trichlorophenol	0.387	0.374		-3.4	20.0
2-Fluorobiphenyl	1.490	1.337		-10.3	
2,4,5-Trichlorophenol	0.408	0.388		-4.9	
1,1-Biphenyl	1.552	1.449		-6.6	
2-Chloronaphthalene	1.146	1.076		-6.1	
2-Nitroaniline	0.331	0.320		-3.3	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.816		-6.2	
2,6-Dinitrotoluene	0.285	0.273		-4.2	
3-Nitroaniline	0.311	0.300		-3.5	
Acenaphthene	1.182	1.097		-7.2	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.203	0.050	-11.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.577		-7.3	
2,4-Dinitrotoluene	0.372	0.363		-2.4	
Diethylphthalate	1.289	1.178		-8.6	
4-Chlorophenyl-phenylether	0.646	0.598		-7.4	
Fluorene	1.314	1.218		-7.3	
4-Nitroaniline	0.282	0.267		-5.3	
4,6-Dinitro-2-methylphenol	0.112	0.112		0.0	
n-Nitrosodiphenylamine	0.684	0.646		-5.6	20.0
2,4,6-Tribromophenol	0.222	0.204		-8.1	
4-Bromophenyl-phenylether	0.236	0.225		-4.7	
Hexachlorobenzene	0.262	0.250		-4.6	
Atrazine	0.182	0.167		-8.2	
Pentachlorophenol	0.148	0.131		-11.5	20.0
Phenanthrene	1.069	0.989		-7.5	
Anthracene	1.091	1.031		-5.5	
Carbazole	0.933	0.860		-7.8	
Di-n-butylphthalate	1.021	0.896		-12.2	
Fluoranthene	0.999	0.904		-9.5	20.0
Pyrene	1.866	1.715		-8.1	
Terphenyl-d14	1.464	1.276		-12.8	
Butylbenzylphthalate	0.516	0.506		-1.9	
3,3-Dichlorobenzidine	0.405	0.454		12.1	
Benzo (a) anthracene	1.336	1.249		-6.5	
Chrysene	1.200	1.151		-4.1	
Bis(2-ethylhexyl)phthalate	0.660	0.753		14.1	
Di-n-octyl phthalate	1.290	1.450		12.4	20.0
Benzo (b) fluoranthene	1.184	1.181		-0.3	
Benzo (k) fluoranthene	1.109	0.934		-15.8	
Benzo (a) pyrene	1.116	1.056		-5.4	20.0
Indeno (1,2,3-cd) pyrene	1.501	1.303		-13.2	
Dibenzo (a,h) anthracene	1.218	1.058		-13.1	
Benzo (g,h,i) perylene	1.218	1.053		-13.5	
1,2,4,5-Tetrachlorobenzene	0.574	0.549		-4.4	
1,4-Dioxane	0.475	0.480		1.1	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.322		-5.6	

All other compounds must meet a minimum RRF of 0.010.