

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074

Instrument ID: BNA_F Calibration Date/Time: 05/22/2025 11:11

Lab File ID: BF142502.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	1.158		-2.4	
Benzaldehyde	0.859	0.845		-1.6	
Phenol-d6	1.429	1.379		-3.5	
Phenol	1.608	1.566		-2.6	20.0
bis(2-Chloroethyl)ether	1.157	1.111		-4.0	
2-Chlorophenol	1.293	1.264		-2.2	
2-Methylphenol	1.010	0.982		-2.8	
2,2-oxybis(1-Chloropropane)	1.944	1.852		-4.7	
Acetophenone	0.443	0.423		-4.5	
3+4-Methylphenols	1.293	1.242		-3.9	
n-Nitroso-di-n-propylamine	0.886	0.821	0.050	-7.3	
Nitrobenzene-d5	0.367	0.356		-3.0	
Hexachloroethane	0.507	0.483		-4.7	
Nitrobenzene	0.331	0.321		-3.0	
Isophorone	0.613	0.568		-7.3	
2-Nitrophenol	0.177	0.173		-2.3	20.0
2,4-Dimethylphenol	0.312	0.302		-3.2	
bis(2-Chloroethoxy)methane	0.383	0.360		-6.0	
2,4-Dichlorophenol	0.283	0.276		-2.5	20.0
Naphthalene	0.985	0.939		-4.7	
4-Chloroaniline	0.399	0.383		-4.0	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.075		-6.3	
4-Chloro-3-methylphenol	0.291	0.277		-4.8	20.0
2-Methylnaphthalene	0.620	0.578		-6.8	
Hexachlorocyclopentadiene	0.387	0.382	0.050	-1.3	
2,4,6-Trichlorophenol	0.387	0.383		-1.0	20.0
2-Fluorobiphenyl	1.490	1.389		-6.8	
2,4,5-Trichlorophenol	0.408	0.386		-5.4	
1,1-Biphenyl	1.552	1.481		-4.6	
2-Chloronaphthalene	1.146	1.107		-3.4	
2-Nitroaniline	0.331	0.322		-2.7	
Dimethylphthalate	1.320	1.214		-8.0	
Acenaphthylene	1.936	1.864		-3.7	
2,6-Dinitrotoluene	0.285	0.267		-6.3	
3-Nitroaniline	0.311	0.303		-2.6	
Acenaphthene	1.182	1.118		-5.4	20.0
2,4-Dinitrophenol	0.147	0.138	0.050	-6.1	
4-Nitrophenol	0.230	0.220	0.050	-4.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.610		-5.3	
2,4-Dinitrotoluene	0.372	0.356		-4.3	
Diethylphthalate	1.289	1.147		-11.0	
4-Chlorophenyl-phenylether	0.646	0.596		-7.7	
Fluorene	1.314	1.233		-6.2	
4-Nitroaniline	0.282	0.266		-5.7	
4,6-Dinitro-2-methylphenol	0.112	0.111		-0.9	
n-Nitrosodiphenylamine	0.684	0.661		-3.4	20.0
2,4,6-Tribromophenol	0.222	0.208		-6.3	
4-Bromophenyl-phenylether	0.236	0.224		-5.1	
Hexachlorobenzene	0.262	0.251		-4.2	
Atrazine	0.182	0.157		-13.7	
Pentachlorophenol	0.148	0.146		-1.4	20.0
Phenanthrene	1.069	1.009		-5.6	
Anthracene	1.091	1.031		-5.5	
Carbazole	0.933	0.863		-7.5	
Di-n-butylphthalate	1.021	0.823		-19.4	
Fluoranthene	0.999	0.878		-12.1	20.0
Pyrene	1.866	1.705		-8.6	
Terphenyl-d14	1.464	1.259		-14.0	
Butylbenzylphthalate	0.516	0.496		-3.9	
3,3-Dichlorobenzidine	0.405	0.443		9.4	
Benzo (a) anthracene	1.336	1.258		-5.8	
Chrysene	1.200	1.136		-5.3	
Bis(2-ethylhexyl)phthalate	0.660	0.801		21.4	
Di-n-octyl phthalate	1.290	1.410		9.3	20.0
Benzo (b) fluoranthene	1.184	1.087		-8.2	
Benzo (k) fluoranthene	1.109	1.044		-5.9	
Benzo (a) pyrene	1.116	1.078		-3.4	20.0
Indeno (1,2,3-cd) pyrene	1.501	1.416		-5.7	
Dibenzo (a,h) anthracene	1.218	1.143		-6.2	
Benzo (g,h,i) perylene	1.218	1.144		-6.1	
1,2,4,5-Tetrachlorobenzene	0.574	0.562		-2.1	
1,4-Dioxane	0.475	0.470		-1.1	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.325		-4.7	

All other compounds must meet a minimum RRF of 0.010.