

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2134 SAS No.: Q2134 SDG No.: Q2134

Instrument ID: BNA_F Calibration Date/Time: 06/02/2025 11:30

Lab File ID: BF142590.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	1.153		-2.9	
Benzaldehyde	0.859	0.802		-6.6	
Phenol-d6	1.429	1.385		-3.1	
bis(2-Chloroethyl)ether	1.157	1.124		-2.9	
2,2-oxybis(1-Chloropropane)	1.944	1.872		-3.7	
Acetophenone	0.443	0.417		-5.9	
n-Nitroso-di-n-propylamine	0.886	0.829	0.050	-6.4	
Nitrobenzene-d5	0.367	0.347		-5.4	
Hexachloroethane	0.507	0.483		-4.7	
Nitrobenzene	0.331	0.314		-5.1	
Isophorone	0.613	0.575		-6.2	
bis(2-Chloroethoxy)methane	0.383	0.365		-4.7	
Naphthalene	0.985	0.939		-4.7	
4-Chloroaniline	0.399	0.389		-2.5	
Hexachlorobutadiene	0.192	0.175		-8.9	20.0
Caprolactam	0.080	0.084		5.0	
2-Methylnaphthalene	0.620	0.581		-6.3	
Hexachlorocyclopentadiene	0.387	0.340	0.050	-12.1	
2-Fluorobiphenyl	1.490	1.341		-10.0	
1,1-Biphenyl	1.552	1.455		-6.3	
2-Chloronaphthalene	1.146	1.080		-5.8	
2-Nitroaniline	0.331	0.325		-1.8	
Dimethylphthalate	1.320	1.263		-4.3	
Acenaphthylene	1.936	1.830		-5.5	
2,6-Dinitrotoluene	0.285	0.279		-2.1	
3-Nitroaniline	0.311	0.315		1.3	
Acenaphthene	1.182	1.118		-5.4	20.0
Dibenzofuran	1.701	1.606		-5.6	
2,4-Dinitrotoluene	0.372	0.374		0.5	
Diethylphthalate	1.289	1.226		-4.9	
4-Chlorophenyl-phenylether	0.646	0.612		-5.3	
Fluorene	1.314	1.257		-4.3	
4-Nitroaniline	0.282	0.295		4.6	
n-Nitrosodiphenylamine	0.684	0.641		-6.3	20.0
2,4,6-Tribromophenol	0.222	0.212		-4.5	
4-Bromophenyl-phenylether	0.236	0.220		-6.8	
Hexachlorobenzene	0.262	0.246		-6.1	
Atrazine	0.182	0.184		1.1	
Phenanthrene	1.069	1.016		-5.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.091	1.045		-4.2	
Carbazole	0.933	0.918		-1.6	
Di-n-butylphthalate	1.021	1.018		-0.3	
Fluoranthene	0.999	0.991		-0.8	20.0
Pyrene	1.866	1.760		-5.7	
Terphenyl-d14	1.464	1.327		-9.4	
Butylbenzylphthalate	0.516	0.546		5.8	
3,3-Dichlorobenzidine	0.405	0.425		4.9	
Benzo(a)anthracene	1.336	1.272		-4.8	
Chrysene	1.200	1.136		-5.3	
Bis(2-ethylhexyl)phthalate	0.660	0.694		5.2	
Di-n-octyl phthalate	1.290	1.195		-7.4	20.0
Benzo(b)fluoranthene	1.184	1.126		-4.9	
Benzo(k)fluoranthene	1.109	1.039		-6.3	
Benzo(a)pyrene	1.116	1.071		-4.0	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.368		-8.9	
Dibenzo(a,h)anthracene	1.218	1.126		-7.6	
Benzo(g,h,i)perylene	1.218	1.105		-9.3	
1,2,4,5-Tetrachlorobenzene	0.574	0.542		-5.6	
1,4-Dioxane	0.475	0.464		-2.3	20.0

All other compounds must meet a minimum RRF of 0.010.