

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2114 SAS No.: Q2114 SDG No.: Q2114

Instrument ID: BNA_F Calibration Date/Time: 05/27/2025 10:15

Lab File ID: BF142552.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	1.141		-3.9	
Benzaldehyde	0.859	0.837		-2.6	
Phenol-d6	1.429	1.377		-3.6	
bis(2-Chloroethyl)ether	1.157	1.109		-4.1	
2,2-oxybis(1-Chloropropane)	1.944	1.867		-4.0	
Acetophenone	0.443	0.418		-5.6	
n-Nitroso-di-n-propylamine	0.886	0.841	0.050	-5.1	
Nitrobenzene-d5	0.367	0.350		-4.6	
Hexachloroethane	0.507	0.472		-6.9	
Nitrobenzene	0.331	0.320		-3.3	
Isophorone	0.613	0.588		-4.1	
bis(2-Chloroethoxy)methane	0.383	0.363		-5.2	
Naphthalene	0.985	0.929		-5.7	
4-Chloroaniline	0.399	0.389		-2.5	
Hexachlorobutadiene	0.192	0.181		-5.7	20.0
Caprolactam	0.080	0.086		7.5	
2-Methylnaphthalene	0.620	0.582		-6.1	
Hexachlorocyclopentadiene	0.387	0.355	0.050	-8.3	
2-Fluorobiphenyl	1.490	1.346		-9.7	
1,1-Biphenyl	1.552	1.446		-6.8	
2-Chloronaphthalene	1.146	1.073		-6.4	
2-Nitroaniline	0.331	0.332		0.3	
Dimethylphthalate	1.320	1.258		-4.7	
Acenaphthylene	1.936	1.837		-5.1	
2,6-Dinitrotoluene	0.285	0.277		-2.8	
3-Nitroaniline	0.311	0.314		1.0	
Acenaphthene	1.182	1.108		-6.3	20.0
Dibenzofuran	1.701	1.614		-5.1	
2,4-Dinitrotoluene	0.372	0.384		3.2	
Diethylphthalate	1.289	1.240		-3.8	
4-Chlorophenyl-phenylether	0.646	0.611		-5.4	
Fluorene	1.314	1.253		-4.6	
4-Nitroaniline	0.282	0.312		10.6	
n-Nitrosodiphenylamine	0.684	0.625		-8.6	20.0
2,4,6-Tribromophenol	0.222	0.219		-1.4	
4-Bromophenyl-phenylether	0.236	0.216		-8.5	
Hexachlorobenzene	0.262	0.242		-7.6	
Atrazine	0.182	0.185		1.6	
Phenanthrene	1.069	1.009		-5.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.091	1.027		-5.9	
Carbazole	0.933	0.922		-1.2	
Di-n-butylphthalate	1.021	1.036		1.5	
Fluoranthene	0.999	1.034		3.5	20.0
Pyrene	1.866	1.741		-6.7	
Terphenyl-d14	1.464	1.339		-8.5	
Butylbenzylphthalate	0.516	0.552		7.0	
3,3-Dichlorobenzidine	0.405	0.399		-1.5	
Benzo(a)anthracene	1.336	1.296		-3.0	
Chrysene	1.200	1.105		-7.9	
Bis(2-ethylhexyl)phthalate	0.660	0.646		-2.1	
Di-n-octyl phthalate	1.290	1.042		-19.2	20.0
Benzo(b)fluoranthene	1.184	1.236		4.4	
Benzo(k)fluoranthene	1.109	0.974		-12.2	
Benzo(a)pyrene	1.116	1.070		-4.1	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.390		-7.4	
Dibenzo(a,h)anthracene	1.218	1.127		-7.5	
Benzo(g,h,i)perylene	1.218	1.132		-7.1	
1,2,4,5-Tetrachlorobenzene	0.574	0.532		-7.3	
1,4-Dioxane	0.475	0.460		-3.2	20.0

All other compounds must meet a minimum RRF of 0.010.