

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: BNA_F Calibration Date/Time: 02/13/2025 10:07

Lab File ID: BF141603.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.273		-0.2	
Benzaldehyde	0.857	1.063		24.0	
Phenol-d6	1.612	1.560		-3.2	
Phenol	1.678	1.634		-2.6	20.0
bis(2-Chloroethyl)ether	1.261	1.269		0.6	
2-Chlorophenol	1.378	1.358		-1.5	
2-Methylphenol	1.079	1.061		-1.7	
2,2-oxybis(1-Chloropropane)	2.158	2.046		-5.2	
Acetophenone	0.498	0.484		-2.8	
3+4-Methylphenols	1.371	1.317		-3.9	
n-Nitroso-di-n-propylamine	0.964	0.938	0.050	-2.7	
Nitrobenzene-d5	0.383	0.372		-2.9	
Hexachloroethane	0.550	0.543		-1.3	
Nitrobenzene	0.374	0.361		-3.5	
Isophorone	0.611	0.606		-0.8	
2-Nitrophenol	0.186	0.191		2.7	20.0
2,4-Dimethylphenol	0.217	0.213		-1.8	
bis(2-Chloroethoxy)methane	0.392	0.397		1.3	
2,4-Dichlorophenol	0.294	0.297		1.0	20.0
Naphthalene	1.041	1.019		-2.1	
4-Chloroaniline	0.363	0.347		-4.4	
Hexachlorobutadiene	0.192	0.191		-0.5	20.0
Caprolactam	0.089	0.089		0.0	
4-Chloro-3-methylphenol	0.325	0.319		-1.8	20.0
2-Methylnaphthalene	0.677	0.667		-1.5	
Hexachlorocyclopentadiene	0.192	0.172	0.050	-10.4	
2,4,6-Trichlorophenol	0.374	0.377		0.8	20.0
2-Fluorobiphenyl	1.298	1.274		-1.8	
2,4,5-Trichlorophenol	0.405	0.405		0.0	
1,1-Biphenyl	1.551	1.565		0.9	
2-Chloronaphthalene	1.147	1.143		-0.3	
2-Nitroaniline	0.385	0.377		-2.1	
Dimethylphthalate	1.358	1.382		1.8	
Acenaphthylene	1.705	1.684		-1.2	
2,6-Dinitrotoluene	0.297	0.298		0.3	
3-Nitroaniline	0.319	0.309		-3.1	
Acenaphthene	1.147	1.129		-1.6	20.0
2,4-Dinitrophenol	0.176	0.163	0.050	-7.4	
4-Nitrophenol	0.237	0.213	0.050	-10.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.644		-2.3	
2,4-Dinitrotoluene	0.395	0.393		-0.5	
Diethylphthalate	1.336	1.338		0.2	
4-Chlorophenyl-phenylether	0.626	0.631		0.8	
Fluorene	1.301	1.264		-2.8	
4-Nitroaniline	0.324	0.267		-17.6	
4,6-Dinitro-2-methylphenol	0.139	0.137		-1.4	
n-Nitrosodiphenylamine	0.640	0.640		0.0	20.0
2,4,6-Tribromophenol	0.201	0.195		-3.0	
4-Bromophenyl-phenylether	0.224	0.226		0.9	
Hexachlorobenzene	0.230	0.231		0.4	
Atrazine	0.192	0.161		-16.1	
Pentachlorophenol	0.147	0.136		-7.5	20.0
Phenanthrene	1.101	1.082		-1.7	
Anthracene	1.107	1.088		-1.7	
Carbazole	0.996	0.956		-4.0	
Di-n-butylphthalate	1.150	1.157		0.6	
Fluoranthene	1.167	1.099		-5.8	20.0
Pyrene	1.703	1.862		9.3	
Terphenyl-d14	1.185	1.287		8.6	
Butylbenzylphthalate	0.590	0.643		9.0	
3,3-Dichlorobenzidine	0.381	0.322		-15.5	
Benzo (a) anthracene	1.329	1.310		-1.4	
Chrysene	1.228	1.180		-3.9	
Bis(2-ethylhexyl)phthalate	0.665	0.728		9.5	
Di-n-octyl phthalate	0.949	1.043		9.9	20.0
Benzo (b) fluoranthene	1.343	1.230		-8.4	
Benzo (k) fluoranthene	1.147	1.181		3.0	
Benzo (a) pyrene	1.087	1.082		-0.5	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.412		14.2	
Dibenzo (a,h) anthracene	1.001	1.153		15.2	
Benzo (g,h,i) perylene	1.048	1.199		14.4	
1,2,4,5-Tetrachlorobenzene	0.579	0.593		2.4	
1,4-Dioxane	0.513	0.498		-2.9	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.344		-1.4	

All other compounds must meet a minimum RRF of 0.010.