

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA_F Calibration Date/Time: 03/17/2025 09:39

Lab File ID: BF141973.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.143		-4.6	
Benzaldehyde	0.853	0.698		-18.2	
Phenol-d6	1.526	1.395		-8.6	
Phenol	1.605	1.465		-8.7	20.0
bis(2-Chloroethyl)ether	1.205	1.072		-11.0	
2-Chlorophenol	1.329	1.240		-6.7	
2-Methylphenol	1.057	0.929		-12.1	
2,2-oxybis(1-Chloropropane)	1.455	1.194		-17.9	
Acetophenone	0.479	0.453		-5.4	
3+4-Methylphenols	1.354	1.184		-12.6	
n-Nitroso-di-n-propylamine	0.980	0.794	0.050	-19.0	
Nitrobenzene-d5	0.355	0.342		-3.7	
Hexachloroethane	0.544	0.502		-7.7	
Nitrobenzene	0.353	0.337		-4.5	
Isophorone	0.628	0.555		-11.6	
2-Nitrophenol	0.173	0.173		0.0	20.0
2,4-Dimethylphenol	0.239	0.219		-8.4	
bis(2-Chloroethoxy)methane	0.394	0.352		-10.7	
2,4-Dichlorophenol	0.296	0.281		-5.1	20.0
Naphthalene	1.027	0.987		-3.9	
4-Chloroaniline	0.363	0.328		-9.6	
Hexachlorobutadiene	0.213	0.209		-1.9	20.0
Caprolactam	0.090	0.076		-15.6	
4-Chloro-3-methylphenol	0.331	0.296		-10.6	20.0
2-Methylnaphthalene	0.687	0.632		-8.0	
Hexachlorocyclopentadiene	0.238	0.242	0.050	1.7	
2,4,6-Trichlorophenol	0.398	0.397		-0.3	20.0
2-Fluorobiphenyl	1.315	1.326		0.8	
2,4,5-Trichlorophenol	0.403	0.397		-1.5	
1,1-Biphenyl	1.520	1.526		0.4	
2-Chloronaphthalene	1.133	1.123		-0.9	
2-Nitroaniline	0.328	0.310		-5.5	
Dimethylphthalate	1.401	1.315		-6.1	
Acenaphthylene	1.681	1.647		-2.0	
2,6-Dinitrotoluene	0.292	0.281		-3.8	
3-Nitroaniline	0.296	0.280		-5.4	
Acenaphthene	1.181	1.164		-1.4	20.0
2,4-Dinitrophenol	0.139	0.138	0.050	-0.7	
4-Nitrophenol	0.223	0.220	0.050	-1.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.612		-4.5	
2,4-Dinitrotoluene	0.381	0.363		-4.7	
Diethylphthalate	1.397	1.280		-8.4	
4-Chlorophenyl-phenylether	0.679	0.653		-3.8	
Fluorene	1.302	1.247		-4.2	
4-Nitroaniline	0.288	0.271		-5.9	
4,6-Dinitro-2-methylphenol	0.119	0.121		1.7	
n-Nitrosodiphenylamine	0.647	0.639		-1.2	20.0
2,4,6-Tribromophenol	0.254	0.242		-4.7	
4-Bromophenyl-phenylether	0.251	0.248		-1.2	
Hexachlorobenzene	0.275	0.277		0.7	
Atrazine	0.198	0.174		-12.1	
Pentachlorophenol	0.170	0.175		2.9	20.0
Phenanthrene	1.080	1.047		-3.1	
Anthracene	1.084	1.060		-2.3	
Carbazole	0.935	0.886		-5.2	
Di-n-butylphthalate	1.240	1.152		-7.1	
Fluoranthene	1.146	1.043		-9.0	20.0
Pyrene	1.730	1.469		-15.1	
Terphenyl-d14	1.353	1.154		-14.7	
Butylbenzylphthalate	0.677	0.594		-12.3	
3,3-Dichlorobenzidine	0.379	0.427		12.7	
Benzo (a) anthracene	1.312	1.239		-5.6	
Chrysene	1.190	1.192		0.2	
Bis(2-ethylhexyl)phthalate	0.934	0.858		-8.1	
Di-n-octyl phthalate	1.299	1.464		12.7	20.0
Benzo (b) fluoranthene	1.371	1.109		-19.1	
Benzo (k) fluoranthene	1.173	1.101		-6.1	
Benzo (a) pyrene	1.073	1.006		-6.2	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.403		8.4	
Dibenzo (a,h) anthracene	1.067	1.162		8.9	
Benzo (g,h,i) perylene	1.055	1.184		12.2	
1,2,4,5-Tetrachlorobenzene	0.609	0.630		3.4	
1,4-Dioxane	0.502	0.490		-2.4	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.353		-3.8	

All other compounds must meet a minimum RRF of 0.010.