

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.221		-2.5	
Benzaldehyde	0.948	0.831		-12.3	
Phenol-d6	1.630	1.591		-2.4	
Phenol	1.742	1.710		-1.8	20.0
bis(2-Chloroethyl)ether	1.328	1.285		-3.2	
2-Chlorophenol	1.355	1.314		-3.0	
2-Methylphenol	1.118	1.076		-3.8	
2,2-oxybis(1-Chloropropane)	2.016	1.940		-3.8	
Acetophenone	0.487	0.474		-2.7	
3+4-Methylphenols	1.392	1.342		-3.6	
n-Nitroso-di-n-propylamine	1.072	0.974	0.050	-9.1	
Nitrobenzene-d5	0.313	0.336		7.3	
Hexachloroethane	0.547	0.520		-4.9	
Nitrobenzene	0.335	0.358		6.9	
Isophorone	0.672	0.647		-3.7	
2-Nitrophenol	0.127	0.146		15.0	20.0
2,4-Dimethylphenol	0.247	0.245		-0.8	
bis(2-Chloroethoxy)methane	0.429	0.409		-4.7	
2,4-Dichlorophenol	0.285	0.290		1.8	20.0
Naphthalene	1.028	1.011		-1.7	
4-Chloroaniline	0.377	0.377		0.0	
Hexachlorobutadiene	0.194	0.192		-1.0	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.317	0.314		-0.9	20.0
2-Methylnaphthalene	0.674	0.658		-2.4	
Hexachlorocyclopentadiene	0.241	0.239	0.050	-0.8	
2,4,6-Trichlorophenol	0.373	0.382		2.4	20.0
2-Fluorobiphenyl	1.247	1.217		-2.4	
2,4,5-Trichlorophenol	0.369	0.396		7.3	
1,1-Biphenyl	1.522	1.521		-0.1	
2-Chloronaphthalene	1.124	1.138		1.2	
2-Nitroaniline	0.260	0.319		22.7	
Dimethylphthalate	1.339	1.303		-2.7	
Acenaphthylene	1.685	1.691		0.4	
2,6-Dinitrotoluene	0.226	0.260		15.0	
3-Nitroaniline	0.241	0.289		19.9	
Acenaphthene	1.137	1.153		1.4	20.0
2,4-Dinitrophenol	0.089	0.111	0.050	24.7	
4-Nitrophenol	0.198	0.240	0.050	21.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.654	1.637		-1.0	
2,4-Dinitrotoluene	0.269	0.334		24.2	
Diethylphthalate	1.343	1.286		-4.2	
4-Chlorophenyl-phenylether	0.621	0.601		-3.2	
Fluorene	1.239	1.211		-2.3	
4-Nitroaniline	0.229	0.286		24.9	
4,6-Dinitro-2-methylphenol	0.081	0.100		23.5	
n-Nitrosodiphenylamine	0.657	0.644		-2.0	20.0
2,4,6-Tribromophenol	0.188	0.192		2.1	
4-Bromophenyl-phenylether	0.234	0.229		-2.1	
Hexachlorobenzene	0.247	0.245		-0.8	
Atrazine	0.181	0.161		-11.1	
Pentachlorophenol	0.156	0.169		8.3	20.0
Phenanthrene	1.070	1.064		-0.6	
Anthracene	1.072	1.071		-0.1	
Carbazole	0.947	0.963		1.7	
Di-n-butylphthalate	1.200	1.143		-4.8	
Fluoranthene	1.096	1.122		2.4	20.0
Pyrene	1.732	1.684		-2.8	
Terphenyl-d14	1.236	1.154		-6.6	
Butylbenzylphthalate	0.629	0.640		1.7	
3,3-Dichlorobenzidine	0.379	0.388		2.4	
Benzo (a) anthracene	1.321	1.276		-3.4	
Chrysene	1.218	1.216		-0.2	
Bis(2-ethylhexyl)phthalate	0.783	0.827		5.6	
Di-n-octyl phthalate	1.173	1.150		-2.0	20.0
Benzo (b) fluoranthene	1.362	1.370		0.6	
Benzo (k) fluoranthene	1.158	1.129		-2.5	
Benzo (a) pyrene	1.093	1.085		-0.7	20.0
Indeno (1,2,3-cd) pyrene	1.274	1.274		0.0	
Dibenzo (a,h) anthracene	1.040	1.034		-0.6	
Benzo (g,h,i) perylene	1.065	1.077		1.1	
1,2,4,5-Tetrachlorobenzene	0.578	0.579		0.2	
1,4-Dioxane	0.568	0.566		-0.4	20.0
2,3,4,6-Tetrachlorophenol	0.321	0.334		4.1	

All other compounds must meet a minimum RRF of 0.010.