

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q1812 SAS No.: Q1812 SDG No.: Q1812

Instrument ID: BNA_P Calibration Date/Time: 04/17/2025 10:30

Lab File ID: BP024320.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.207		-0.2	
Benzaldehyde	0.819	0.990		20.9	
Phenol-d6	1.656	1.673		1.0	
Phenol	1.661	1.671		0.6	20.0
bis(2-Chloroethyl)ether	1.339	1.310		-2.2	
2-Chlorophenol	1.350	1.334		-1.2	
2-Methylphenol	1.075	1.109		3.2	
2,2-oxybis(1-Chloropropane)	1.447	1.450		0.2	
Acetophenone	0.495	0.486		-1.8	
3+4-Methylphenols	1.491	1.554		4.2	
n-Nitroso-di-n-propylamine	1.025	1.075	0.050	4.8	
Nitrobenzene-d5	0.351	0.352		0.3	
Hexachloroethane	0.533	0.525		-1.5	
Nitrobenzene	0.347	0.345		-0.6	
Isophorone	0.635	0.650		2.4	
2-Nitrophenol	0.170	0.182		7.1	20.0
2,4-Dimethylphenol	0.213	0.216		1.4	
bis(2-Chloroethoxy)methane	0.429	0.423		-1.4	
2,4-Dichlorophenol	0.291	0.297		2.1	20.0
Naphthalene	1.054	1.021		-3.1	
4-Chloroaniline	0.371	0.384		3.5	
Hexachlorobutadiene	0.183	0.182		-0.5	20.0
Caprolactam	0.107	0.112		4.7	
4-Chloro-3-methylphenol	0.339	0.359		5.9	20.0
2-Methylnaphthalene	0.731	0.732		0.1	
Hexachlorocyclopentadiene	0.195	0.198	0.050	1.5	
2,4,6-Trichlorophenol	0.366	0.370		1.1	20.0
2-Fluorobiphenyl	1.306	1.257		-3.8	
2,4,5-Trichlorophenol	0.405	0.410		1.2	
1,1-Biphenyl	1.470	1.426		-3.0	
2-Chloronaphthalene	1.099	1.062		-3.4	
2-Nitroaniline	0.308	0.323		4.9	
Dimethylphthalate	1.454	1.428		-1.8	
Acenaphthylene	1.730	1.702		-1.6	
2,6-Dinitrotoluene	0.309	0.315		1.9	
3-Nitroaniline	0.325	0.329		1.2	
Acenaphthene	1.097	1.062		-3.2	20.0
2,4-Dinitrophenol	0.182	0.185	0.050	1.6	
4-Nitrophenol	0.280	0.283	0.050	1.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.735		-3.2	
2,4-Dinitrotoluene	0.421	0.436		3.6	
Diethylphthalate	1.499	1.463		-2.4	
4-Chlorophenyl-phenylether	0.674	0.662		-1.8	
Fluorene	1.388	1.357		-2.2	
4-Nitroaniline	0.344	0.346		0.6	
4,6-Dinitro-2-methylphenol	0.126	0.129		2.4	
n-Nitrosodiphenylamine	0.597	0.595		-0.3	20.0
2,4,6-Tribromophenol	0.277	0.282		1.8	
4-Bromophenyl-phenylether	0.219	0.223		1.8	
Hexachlorobenzene	0.260	0.264		1.5	
Atrazine	0.152	0.137		-9.9	
Pentachlorophenol	0.181	0.190		5.0	20.0
Phenanthrene	1.091	1.034		-5.2	
Anthracene	1.052	1.043		-0.9	
Carbazole	1.027	0.995		-3.1	
Di-n-butylphthalate	1.280	1.282		0.2	
Fluoranthene	1.298	1.230		-5.2	20.0
Pyrene	1.271	1.389		9.3	
Terphenyl-d14	0.992	1.068		7.7	
Butylbenzylphthalate	0.544	0.577		6.1	
3,3-Dichlorobenzidine	0.436	0.416		-4.6	
Benzo (a) anthracene	1.243	1.222		-1.7	
Chrysene	1.191	1.150		-3.4	
Bis(2-ethylhexyl)phthalate	0.798	0.738		-7.5	
Di-n-octyl phthalate	1.297	1.105		-14.8	20.0
Benzo (b) fluoranthene	1.199	1.261		5.1	
Benzo (k) fluoranthene	1.158	1.184		2.2	
Benzo (a) pyrene	1.034	1.050		1.5	20.0
Indeno (1,2,3-cd) pyrene	1.388	1.298		-6.5	
Dibenzo (a,h) anthracene	1.152	1.077		-6.5	
Benzo (g,h,i) perylene	1.173	1.101		-6.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.532		-3.3	
1,4-Dioxane	0.512	0.500		-2.3	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.370		-0.8	

All other compounds must meet a minimum RRF of 0.010.