

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: 04/18/2025 11:13

Lab File ID: BP024337.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	1.223		1.1	
Benzaldehyde	0.819	0.884		7.9	
Phenol-d6	1.656	1.600		-3.4	
Phenol	1.661	1.587		-4.5	20.0
bis(2-Chloroethyl)ether	1.339	1.287		-3.9	
2-Chlorophenol	1.350	1.315		-2.6	
2-Methylphenol	1.075	1.040		-3.3	
2,2-oxybis(1-Chloropropane)	1.447	1.361		-5.9	
Acetophenone	0.495	0.487		-1.6	
3+4-Methylphenols	1.491	1.432		-4.0	
n-Nitroso-di-n-propylamine	1.025	0.947	0.050	-7.6	
Nitrobenzene-d5	0.351	0.353		0.6	
Hexachloroethane	0.533	0.527		-1.1	
Nitrobenzene	0.347	0.346		-0.3	
Isophorone	0.635	0.613		-3.5	
2-Nitrophenol	0.170	0.176		3.5	20.0
2,4-Dimethylphenol	0.213	0.210		-1.4	
bis(2-Chloroethoxy)methane	0.429	0.406		-5.4	
2,4-Dichlorophenol	0.291	0.292		0.3	20.0
Naphthalene	1.054	1.035		-1.8	
4-Chloroaniline	0.371	0.360		-3.0	
Hexachlorobutadiene	0.183	0.186		1.6	20.0
Caprolactam	0.107	0.106		-0.9	
4-Chloro-3-methylphenol	0.339	0.332		-2.1	20.0
2-Methylnaphthalene	0.731	0.692		-5.3	
Hexachlorocyclopentadiene	0.195	0.205	0.050	5.1	
2,4,6-Trichlorophenol	0.366	0.374		2.2	20.0
2-Fluorobiphenyl	1.306	1.287		-1.5	
2,4,5-Trichlorophenol	0.405	0.410		1.2	
1,1-Biphenyl	1.470	1.449		-1.4	
2-Chloronaphthalene	1.099	1.088		-1.0	
2-Nitroaniline	0.308	0.327		6.2	
Dimethylphthalate	1.454	1.439		-1.0	
Acenaphthylene	1.730	1.744		0.8	
2,6-Dinitrotoluene	0.309	0.313		1.3	
3-Nitroaniline	0.325	0.333		2.5	
Acenaphthene	1.097	1.068		-2.6	20.0
2,4-Dinitrophenol	0.182	0.180	0.050	-1.1	
4-Nitrophenol	0.280	0.287	0.050	2.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.728		-3.6	
2,4-Dinitrotoluene	0.421	0.436		3.6	
Diethylphthalate	1.499	1.480		-1.3	
4-Chlorophenyl-phenylether	0.674	0.658		-2.4	
Fluorene	1.388	1.355		-2.4	
4-Nitroaniline	0.344	0.365		6.1	
4,6-Dinitro-2-methylphenol	0.126	0.125		-0.8	
n-Nitrosodiphenylamine	0.597	0.586		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.283		2.2	
4-Bromophenyl-phenylether	0.219	0.216		-1.4	
Hexachlorobenzene	0.260	0.261		0.4	
Atrazine	0.152	0.141		-7.2	
Pentachlorophenol	0.181	0.185		2.2	20.0
Phenanthrene	1.091	1.048		-3.9	
Anthracene	1.052	1.047		-0.5	
Carbazole	1.027	1.040		1.3	
Di-n-butylphthalate	1.280	1.299		1.5	
Fluoranthene	1.298	1.292		-0.5	20.0
Pyrene	1.271	1.201		-5.5	
Terphenyl-d14	0.992	0.960		-3.2	
Butylbenzylphthalate	0.544	0.556		2.2	
3,3-Dichlorobenzidine	0.436	0.452		3.7	
Benzo (a) anthracene	1.243	1.226		-1.4	
Chrysene	1.191	1.175		-1.3	
Bis(2-ethylhexyl)phthalate	0.798	0.804		0.8	
Di-n-octyl phthalate	1.297	1.380		6.4	20.0
Benzo (b) fluoranthene	1.199	1.152		-3.9	
Benzo (k) fluoranthene	1.158	1.121		-3.2	
Benzo (a) pyrene	1.034	1.034		0.0	20.0
Indeno (1,2,3-cd) pyrene	1.388	1.401		0.9	
Dibenzo (a,h) anthracene	1.152	1.157		0.4	
Benzo (g,h,i) perylene	1.173	1.186		1.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.553		0.5	
1,4-Dioxane	0.512	0.516		0.8	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.373		0.0	

All other compounds must meet a minimum RRF of 0.010.