

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: BNA_P Calibration Date/Time: 05/08/2025 14:45

Lab File ID: BP024568.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
n-Nitrosodimethylamine	0.448	0.516		15.2	
Pyridine	1.351	1.221		-9.6	
2-Fluorophenol	1.210	1.238		2.3	
Benzaldehyde	0.819	0.919		12.2	
Aniline	1.480	1.394		-5.8	
Phenol-d6	1.656	1.642		-0.8	
Phenol	1.661	1.617		-2.6	20.0
bis(2-Chloroethyl) ether	1.339	1.240		-7.4	
2-Chlorophenol	1.350	1.373		1.7	
1,2-Dichlorobenzene	1.424	1.417		-0.5	
1,3-Dichlorobenzene	1.454	1.471		1.2	
1,4-Dichlorobenzene	1.475	1.483		0.5	20.0
Benzyl Alcohol	1.071	1.165		8.8	
2-Methylphenol	1.075	1.114		3.6	
2,2-oxybis(1-Chloropropane)	1.447	1.379		-4.7	
Acetophenone	0.495	0.506		2.2	
3+4-Methylphenols	1.491	1.564		4.9	
n-Nitroso-di-n-propylamine	1.025	1.037	0.050	1.2	
Nitrobenzene-d5	0.351	0.357		1.7	
Hexachloroethane	0.533	0.545		2.3	
Nitrobenzene	0.347	0.346		-0.3	
Isophorone	0.635	0.655		3.2	
2-Nitrophenol	0.170	0.195		14.7	20.0
2,4-Dimethylphenol	0.213	0.224		5.2	
bis(2-Chloroethoxy) methane	0.429	0.419		-2.3	
2,4-Dichlorophenol	0.291	0.320		10.0	20.0
1,2,4-Trichlorobenzene	0.311	0.325		4.5	
Benzoic acid	0.248	0.255		2.8	
Naphthalene	1.054	1.056		0.2	
4-Chloroaniline	0.371	0.393		5.9	
Hexachlorobutadiene	0.183	0.207		13.1	20.0
Caprolactam	0.107	0.116		8.4	
4-Chloro-3-methylphenol	0.339	0.379		11.8	20.0
2-Methylnaphthalene	0.731	0.754		3.1	
Hexachlorocyclopentadiene	0.195	0.199	0.050	2.1	
2,4,6-Trichlorophenol	0.366	0.417		13.9	20.0
2-Fluorobiphenyl	1.306	1.381		5.7	
2,4,5-Trichlorophenol	0.405	0.459		13.3	
1,1-Biphenyl	1.470	1.530		4.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.099	1.160		5.6	
2-Nitroaniline	0.308	0.347		12.7	
Dimethylphthalate	1.454	1.577		8.5	
Acenaphthylene	1.730	1.787		3.3	
2,6-Dinitrotoluene	0.309	0.336		8.7	
3-Nitroaniline	0.325	0.339		4.3	
Acenaphthene	1.097	1.106		0.8	20.0
2,4-Dinitrophenol	0.182	0.196	0.050	7.7	
4-Nitrophenol	0.280	0.334	0.050	19.3	
Dibenzofuran	1.793	1.817		1.3	
2,4-Dinitrotoluene	0.421	0.479		13.8	
Diethylphthalate	1.499	1.622		8.2	
4-Chlorophenyl-phenylether	0.674	0.722		7.1	
Fluorene	1.388	1.444		4.0	
4-Nitroaniline	0.344	0.369		7.3	
4,6-Dinitro-2-methylphenol	0.126	0.137		8.7	
n-Nitrosodiphenylamine	0.597	0.610		2.2	20.0
Azobenzene	1.378	1.378		0.0	
2,4,6-Tribromophenol	0.277	0.353		27.4	
4-Bromophenyl-phenylether	0.219	0.243		11.0	
Hexachlorobenzene	0.260	0.300		15.4	
Atrazine	0.152	0.143		-5.9	
Pentachlorophenol	0.181	0.200		10.5	20.0
Phenanthrene	1.091	1.076		-1.4	
Anthracene	1.052	1.069		1.6	
Carbazole	1.027	1.034		0.7	
Di-n-butylphthalate	1.280	1.409		10.1	
Fluoranthene	1.298	1.348		3.9	20.0
Benzidine	0.254	0.243		-4.3	
Pyrene	1.271	1.262		-0.7	
Terphenyl-d14	0.992	1.078		8.7	
Butylbenzylphthalate	0.544	0.602		10.7	
3,3-Dichlorobenzidine	0.436	0.445		2.1	
Benzo(a)anthracene	1.243	1.252		0.7	
Chrysene	1.191	1.186		-0.4	
Bis(2-ethylhexyl)phthalate	0.798	0.859		7.6	
Di-n-octyl phthalate	1.297	1.405		8.3	20.0
Benzo(b)fluoranthene	1.199	1.267		5.7	
Benzo(k)fluoranthene	1.158	1.210		4.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.034	1.061		2.6	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.292		-6.9	
Dibenzo(a,h)anthracene	1.152	1.062		-7.8	
Benzo(g,h,i)perylene	1.173	1.050		-10.5	
1,2,4,5-Tetrachlorobenzene	0.550	0.603		9.6	
1,4-Dioxane	0.512	0.480		-6.3	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.416		11.5	
1-Methylnaphthalene	0.715	0.729		2.0	

All other compounds must meet a minimum RRF of 0.010.