

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1907 SAS No.: Q1907 SDG No.: Q1907

Instrument ID: BNA_M Calibration Date/Time: 05/01/2025 13:25

Lab File ID: BM050062.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.339		17.3	
Benzaldehyde	0.961	1.092		13.6	
Phenol-d6	1.436	1.600		11.4	
Phenol	1.453	1.604		10.4	20.0
bis(2-Chloroethyl)ether	1.214	1.300		7.1	
2-Chlorophenol	1.235	1.304		5.6	
2-Methylphenol	0.957	0.985		2.9	
2,2-oxybis(1-Chloropropane)	1.475	1.588		7.7	
Acetophenone	0.497	0.555		11.7	
3+4-Methylphenols	1.293	1.302		0.7	
n-Nitroso-di-n-propylamine	0.921	0.843	0.050	-8.5	
Nitrobenzene-d5	0.406	0.470		15.8	
Hexachloroethane	0.533	0.574		7.7	
Nitrobenzene	0.351	0.401		14.2	
Isophorone	0.692	0.722		4.3	
2-Nitrophenol	0.179	0.198		10.6	20.0
2,4-Dimethylphenol	0.297	0.317		6.7	
bis(2-Chloroethoxy)methane	0.428	0.455		6.3	
2,4-Dichlorophenol	0.333	0.356		6.9	20.0
Naphthalene	1.013	1.086		7.2	
4-Chloroaniline	0.415	0.426		2.7	
Hexachlorobutadiene	0.258	0.279		8.1	20.0
Caprolactam	0.097	0.089		-8.2	
4-Chloro-3-methylphenol	0.308	0.303		-1.6	20.0
2-Methylnaphthalene	0.679	0.698		2.8	
Hexachlorocyclopentadiene	0.423	0.472	0.050	11.6	
2,4,6-Trichlorophenol	0.439	0.496		13.0	20.0
2-Fluorobiphenyl	1.691	1.996		18.0	
2,4,5-Trichlorophenol	0.474	0.528		11.4	
1,1-Biphenyl	1.487	1.674		12.6	
2-Chloronaphthalene	1.177	1.322		12.3	
2-Nitroaniline	0.276	0.322		16.7	
Dimethylphthalate	1.462	1.494		2.2	
Acenaphthylene	1.857	2.021		8.8	
2,6-Dinitrotoluene	0.303	0.319		5.3	
3-Nitroaniline	0.289	0.307		6.2	
Acenaphthene	1.075	1.173		9.1	20.0
2,4-Dinitrophenol	0.164	0.161	0.050	-1.8	
4-Nitrophenol	0.205	0.222	0.050	8.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.919		7.3	
2,4-Dinitrotoluene	0.418	0.439		5.0	
Diethylphthalate	1.377	1.398		1.5	
4-Chlorophenyl-phenylether	0.804	0.881		9.6	
Fluorene	1.463	1.622		10.9	
4-Nitroaniline	0.279	0.296		6.1	
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	
n-Nitrosodiphenylamine	0.614	0.682		11.1	20.0
2,4,6-Tribromophenol	0.296	0.313		5.7	
4-Bromophenyl-phenylether	0.242	0.264		9.1	
Hexachlorobenzene	0.279	0.305		9.3	
Atrazine	0.222	0.235		5.9	
Pentachlorophenol	0.157	0.174		10.8	20.0
Phenanthrene	1.128	1.244		10.3	
Anthracene	1.142	1.274		11.6	
Carbazole	0.991	1.075		8.5	
Di-n-butylphthalate	1.180	1.266		7.3	
Fluoranthene	1.324	1.440		8.8	20.0
Pyrene	1.404	1.537		9.5	
Terphenyl-d14	1.352	1.606		18.8	
Butylbenzylphthalate	0.526	0.549		4.4	
3,3-Dichlorobenzidine	0.527	0.551		4.6	
Benzo (a) anthracene	1.377	1.520		10.4	
Chrysene	1.275	1.371		7.5	
Bis(2-ethylhexyl)phthalate	0.786	0.824		4.8	
Di-n-octyl phthalate	1.296	1.271		-1.9	20.0
Benzo (b) fluoranthene	1.301	1.413		8.6	
Benzo (k) fluoranthene	1.316	1.460		10.9	
Benzo (a) pyrene	1.218	1.323		8.6	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.620		8.7	
Dibenzo (a,h) anthracene	1.215	1.320		8.6	
Benzo (g,h,i) perylene	1.163	1.262		8.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.812		17.3	
1,4-Dioxane	0.490	0.582		18.8	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.429		4.6	

All other compounds must meet a minimum RRF of 0.010.