

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.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	1.113		-2.5	
Benzaldehyde	0.961	0.911		-5.2	
Aniline	1.813	1.767		-2.5	
Phenol-d6	1.436	1.401		-2.4	
Phenol	1.453	1.425		-1.9	20.0
bis(2-Chloroethyl)ether	1.214	1.149		-5.4	
2-Chlorophenol	1.235	1.194		-3.3	
2-Methylphenol	0.957	0.941		-1.7	
2,2-oxybis(1-Chloropropane)	1.475	1.451		-1.6	
Acetophenone	0.497	0.472		-5.0	
3+4-Methylphenols	1.293	1.266		-2.1	
n-Nitroso-di-n-propylamine	0.921	0.900	0.050	-2.3	
Nitrobenzene-d5	0.406	0.388		-4.4	
Hexachloroethane	0.533	0.501		-6.0	
Nitrobenzene	0.351	0.337		-4.0	
Isophorone	0.692	0.664		-4.0	
2-Nitrophenol	0.179	0.179		0.0	20.0
2,4-Dimethylphenol	0.297	0.291		-2.0	
bis(2-Chloroethoxy)methane	0.428	0.407		-4.9	
2,4-Dichlorophenol	0.333	0.323		-3.0	20.0
Naphthalene	1.013	0.949		-6.3	
4-Chloroaniline	0.415	0.401		-3.4	
Hexachlorobutadiene	0.258	0.239		-7.4	20.0
Caprolactam	0.097	0.094		-3.1	
4-Chloro-3-methylphenol	0.308	0.294		-4.5	20.0
2-Methylnaphthalene	0.679	0.636		-6.3	
Hexachlorocyclopentadiene	0.423	0.361	0.050	-14.7	
2,4,6-Trichlorophenol	0.439	0.428		-2.5	20.0
2-Fluorobiphenyl	1.691	1.612		-4.7	
2,4,5-Trichlorophenol	0.474	0.464		-2.1	
1,1-Biphenyl	1.487	1.400		-5.9	
2-Chloronaphthalene	1.177	1.109		-5.8	
2-Nitroaniline	0.276	0.279		1.1	
Dimethylphthalate	1.462	1.370		-6.3	
Acenaphthylene	1.857	1.752		-5.7	
2,6-Dinitrotoluene	0.303	0.297		-2.0	
3-Nitroaniline	0.289	0.290		0.3	
Acenaphthene	1.075	1.006		-6.4	20.0
2,4-Dinitrophenol	0.164	0.160	0.050	-2.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
4-Nitrophenol	0.205	0.189	0.050	-7.8	
Dibenzofuran	1.788	1.674		-6.4	
2,4-Dinitrotoluene	0.418	0.415		-0.7	
Diethylphthalate	1.377	1.278		-7.2	
4-Chlorophenyl-phenylether	0.804	0.755		-6.1	
Fluorene	1.463	1.378		-5.8	
4-Nitroaniline	0.279	0.284		1.8	
4,6-Dinitro-2-methylphenol	0.125	0.121		-3.2	
n-Nitrosodiphenylamine	0.614	0.583		-5.0	20.0
2,4,6-Tribromophenol	0.296	0.285		-3.7	
4-Bromophenyl-phenylether	0.242	0.230		-5.0	
Hexachlorobenzene	0.279	0.263		-5.7	
Atrazine	0.222	0.211		-5.0	
Pentachlorophenol	0.157	0.144		-8.3	20.0
Phenanthrene	1.128	1.052		-6.7	
Anthracene	1.142	1.076		-5.8	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.112		-5.8	
Fluoranthene	1.324	1.258		-5.0	20.0
Pyrene	1.404	1.381		-1.6	
Terphenyl-d14	1.352	1.351		-0.1	
Butylbenzylphthalate	0.526	0.517		-1.7	
3,3-Dichlorobenzidine	0.527	0.511		-3.0	
Benzo (a) anthracene	1.377	1.299		-5.7	
Chrysene	1.275	1.183		-7.2	
Bis (2-ethylhexyl) phthalate	0.786	0.740		-5.9	
Di-n-octyl phthalate	1.296	1.213		-6.4	20.0
Benzo (b) fluoranthene	1.301	1.180		-9.3	
Benzo (k) fluoranthene	1.316	1.208		-8.2	
Benzo (a) pyrene	1.218	1.131		-7.1	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.413		-5.2	
Dibenzo (a,h) anthracene	1.215	1.160		-4.5	
Benzo (g,h,i) perylene	1.163	1.102		-5.2	
1,2,4,5-Tetrachlorobenzene	0.692	0.657		-5.1	
1,4-Dioxane	0.490	0.461		-5.9	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.388		-5.4	

All other compounds must meet a minimum RRF of 0.010.