

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/06/2025 10:03

Lab File ID: BM050112.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	1.120		-1.9	
Benzaldehyde	0.961	0.902		-6.1	
Phenol-d6	1.436	1.382		-3.8	
Phenol	1.453	1.397		-3.9	20.0
bis(2-Chloroethyl)ether	1.214	1.118		-7.9	
2-Chlorophenol	1.235	1.182		-4.3	
2-Methylphenol	0.957	0.897		-6.3	
2,2-oxybis(1-Chloropropane)	1.475	1.386		-6.0	
Acetophenone	0.497	0.470		-5.4	
3+4-Methylphenols	1.293	1.216		-6.0	
n-Nitroso-di-n-propylamine	0.921	0.855	0.050	-7.2	
Nitrobenzene-d5	0.406	0.390		-3.9	
Hexachloroethane	0.533	0.495		-7.1	
Nitrobenzene	0.351	0.336		-4.3	
Isophorone	0.692	0.645		-6.8	
2-Nitrophenol	0.179	0.177		-1.1	20.0
2,4-Dimethylphenol	0.297	0.286		-3.7	
bis(2-Chloroethoxy)methane	0.428	0.397		-7.2	
2,4-Dichlorophenol	0.333	0.316		-5.1	20.0
Naphthalene	1.013	0.947		-6.5	
4-Chloroaniline	0.415	0.392		-5.5	
Hexachlorobutadiene	0.258	0.242		-6.2	20.0
Caprolactam	0.097	0.091		-6.2	
4-Chloro-3-methylphenol	0.308	0.286		-7.1	20.0
2-Methylnaphthalene	0.679	0.629		-7.4	
Hexachlorocyclopentadiene	0.423	0.367	0.050	-13.2	
2,4,6-Trichlorophenol	0.439	0.428		-2.5	20.0
2-Fluorobiphenyl	1.691	1.590		-6.0	
2,4,5-Trichlorophenol	0.474	0.455		-4.0	
1,1-Biphenyl	1.487	1.393		-6.3	
2-Chloronaphthalene	1.177	1.109		-5.8	
2-Nitroaniline	0.276	0.277		0.4	
Dimethylphthalate	1.462	1.356		-7.3	
Acenaphthylene	1.857	1.731		-6.8	
2,6-Dinitrotoluene	0.303	0.292		-3.6	
3-Nitroaniline	0.289	0.290		0.3	
Acenaphthene	1.075	0.994		-7.5	20.0
2,4-Dinitrophenol	0.164	0.149	0.050	-9.1	
4-Nitrophenol	0.205	0.187	0.050	-8.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.657		-7.3	
2,4-Dinitrotoluene	0.418	0.410		-1.9	
Diethylphthalate	1.377	1.259		-8.6	
4-Chlorophenyl-phenylether	0.804	0.740		-8.0	
Fluorene	1.463	1.361		-7.0	
4-Nitroaniline	0.279	0.283		1.4	
4,6-Dinitro-2-methylphenol	0.125	0.119		-4.8	
n-Nitrosodiphenylamine	0.614	0.578		-5.9	20.0
2,4,6-Tribromophenol	0.296	0.278		-6.1	
4-Bromophenyl-phenylether	0.242	0.225		-7.0	
Hexachlorobenzene	0.279	0.262		-6.1	
Atrazine	0.222	0.209		-5.9	
Pentachlorophenol	0.157	0.141		-10.2	20.0
Phenanthrene	1.128	1.052		-6.7	
Anthracene	1.142	1.080		-5.4	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.109		-6.0	
Fluoranthene	1.324	1.260		-4.8	20.0
Pyrene	1.404	1.352		-3.7	
Terphenyl-d14	1.352	1.328		-1.8	
Butylbenzylphthalate	0.526	0.505		-4.0	
3,3-Dichlorobenzidine	0.527	0.513		-2.7	
Benzo (a) anthracene	1.377	1.297		-5.8	
Chrysene	1.275	1.182		-7.3	
Bis(2-ethylhexyl)phthalate	0.786	0.734		-6.6	
Di-n-octyl phthalate	1.296	1.210		-6.6	20.0
Benzo (b) fluoranthene	1.301	1.214		-6.7	
Benzo (k) fluoranthene	1.316	1.212		-7.9	
Benzo (a) pyrene	1.218	1.143		-6.2	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.427		-4.2	
Dibenzo (a,h) anthracene	1.215	1.165		-4.1	
Benzo (g,h,i) perylene	1.163	1.111		-4.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.660		-4.6	
1,4-Dioxane	0.490	0.475		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.384		-6.3	

All other compounds must meet a minimum RRF of 0.010.