

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01
 Lab Code: CHEM Case No.: Q1937 SAS No.: Q1937 SDG No.: Q1937
 Instrument ID: BNA_M Calibration Date/Time: 05/05/2025 12:18
 Lab File ID: BM050096.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	1.095		-4.1	
Benzaldehyde	0.961	0.917		-4.6	
Phenol-d6	1.436	1.417		-1.3	
Phenol	1.453	1.425		-1.9	20.0
bis(2-Chloroethyl)ether	1.214	1.144		-5.8	
2-Chlorophenol	1.235	1.197		-3.1	
2-Methylphenol	0.957	0.951		-0.6	
2,2-oxybis(1-Chloropropane)	1.475	1.399		-5.2	
Acetophenone	0.497	0.471		-5.2	
3+4-Methylphenols	1.293	1.307		1.1	
n-Nitroso-di-n-propylamine	0.921	0.922	0.050	0.1	
Nitrobenzene-d5	0.406	0.383		-5.7	
Hexachloroethane	0.533	0.498		-6.6	
Nitrobenzene	0.351	0.331		-5.7	
Isophorone	0.692	0.662		-4.3	
2-Nitrophenol	0.179	0.181		1.1	20.0
2,4-Dimethylphenol	0.297	0.291		-2.0	
bis(2-Chloroethoxy)methane	0.428	0.405		-5.4	
2,4-Dichlorophenol	0.333	0.330		-0.9	20.0
Naphthalene	1.013	0.951		-6.1	
4-Chloroaniline	0.415	0.407		-1.9	
Hexachlorobutadiene	0.258	0.238		-7.8	20.0
Caprolactam	0.097	0.100		3.1	
4-Chloro-3-methylphenol	0.308	0.301		-2.3	20.0
2-Methylnaphthalene	0.679	0.646		-4.9	
Hexachlorocyclopentadiene	0.423	0.376	0.050	-11.1	
2,4,6-Trichlorophenol	0.439	0.433		-1.4	20.0
2-Fluorobiphenyl	1.691	1.567		-7.3	
2,4,5-Trichlorophenol	0.474	0.469		-1.1	
1,1-Biphenyl	1.487	1.376		-7.5	
2-Chloronaphthalene	1.177	1.088		-7.6	
2-Nitroaniline	0.276	0.274		-0.7	
Dimethylphthalate	1.462	1.361		-6.9	
Acenaphthylene	1.857	1.741		-6.2	
2,6-Dinitrotoluene	0.303	0.297		-2.0	
3-Nitroaniline	0.289	0.294		1.7	
Acenaphthene	1.075	0.996		-7.3	20.0
2,4-Dinitrophenol	0.164	0.171	0.050	4.3	
4-Nitrophenol	0.205	0.212	0.050	3.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.672		-6.5	
2,4-Dinitrotoluene	0.418	0.417		-0.2	
Diethylphthalate	1.377	1.270		-7.8	
4-Chlorophenyl-phenylether	0.804	0.753		-6.3	
Fluorene	1.463	1.372		-6.2	
4-Nitroaniline	0.279	0.293		5.0	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.614	0.580		-5.5	20.0
2,4,6-Tribromophenol	0.296	0.291		-1.7	
4-Bromophenyl-phenylether	0.242	0.226		-6.6	
Hexachlorobenzene	0.279	0.261		-6.5	
Atrazine	0.222	0.214		-3.6	
Pentachlorophenol	0.157	0.152		-3.2	20.0
Phenanthrene	1.128	1.050		-6.9	
Anthracene	1.142	1.073		-6.0	
Carbazole	0.991	0.945		-4.6	
Di-n-butylphthalate	1.180	1.105		-6.4	
Fluoranthene	1.324	1.269		-4.2	20.0
Pyrene	1.404	1.384		-1.4	
Terphenyl-d14	1.352	1.328		-1.8	
Butylbenzylphthalate	0.526	0.514		-2.3	
3,3-Dichlorobenzidine	0.527	0.514		-2.5	
Benzo (a) anthracene	1.377	1.294		-6.0	
Chrysene	1.275	1.185		-7.1	
Bis (2-ethylhexyl) phthalate	0.786	0.721		-8.3	
Di-n-octyl phthalate	1.296	1.204		-7.1	20.0
Benzo (b) fluoranthene	1.301	1.186		-8.8	
Benzo (k) fluoranthene	1.316	1.187		-9.8	
Benzo (a) pyrene	1.218	1.140		-6.4	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.405		-5.7	
Dibenzo (a,h) anthracene	1.215	1.150		-5.3	
Benzo (g,h,i) perylene	1.163	1.099		-5.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.652		-5.8	
1,4-Dioxane	0.490	0.440		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.399		-2.7	

All other compounds must meet a minimum RRF of 0.010.