

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: 05/02/2025 10:33

Lab File ID: BM050079.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	1.128		-1.2	
Benzaldehyde	0.961	0.945		-1.7	
Phenol-d6	1.436	1.413		-1.6	
Phenol	1.453	1.422		-2.1	20.0
bis(2-Chloroethyl)ether	1.214	1.142		-5.9	
2-Chlorophenol	1.235	1.175		-4.9	
2-Methylphenol	0.957	0.917		-4.2	
2,2-oxybis(1-Chloropropane)	1.475	1.400		-5.1	
Acetophenone	0.497	0.479		-3.6	
3+4-Methylphenols	1.293	1.230		-4.9	
n-Nitroso-di-n-propylamine	0.921	0.896	0.050	-2.7	
Nitrobenzene-d5	0.406	0.398		-2.0	
Hexachloroethane	0.533	0.498		-6.6	
Nitrobenzene	0.351	0.340		-3.1	
Isophorone	0.692	0.652		-5.8	
2-Nitrophenol	0.179	0.175		-2.2	20.0
2,4-Dimethylphenol	0.297	0.287		-3.4	
bis(2-Chloroethoxy)methane	0.428	0.404		-5.6	
2,4-Dichlorophenol	0.333	0.318		-4.5	20.0
Naphthalene	1.013	0.950		-6.2	
4-Chloroaniline	0.415	0.400		-3.6	
Hexachlorobutadiene	0.258	0.240		-7.0	20.0
Caprolactam	0.097	0.092		-5.2	
4-Chloro-3-methylphenol	0.308	0.290		-5.8	20.0
2-Methylnaphthalene	0.679	0.627		-7.7	
Hexachlorocyclopentadiene	0.423	0.385	0.050	-9.0	
2,4,6-Trichlorophenol	0.439	0.426		-3.0	20.0
2-Fluorobiphenyl	1.691	1.629		-3.7	
2,4,5-Trichlorophenol	0.474	0.460		-3.0	
1,1-Biphenyl	1.487	1.407		-5.4	
2-Chloronaphthalene	1.177	1.118		-5.0	
2-Nitroaniline	0.276	0.277		0.4	
Dimethylphthalate	1.462	1.364		-6.7	
Acenaphthylene	1.857	1.757		-5.4	
2,6-Dinitrotoluene	0.303	0.293		-3.3	
3-Nitroaniline	0.289	0.292		1.0	
Acenaphthene	1.075	1.008		-6.2	20.0
2,4-Dinitrophenol	0.164	0.159	0.050	-3.0	
4-Nitrophenol	0.205	0.197	0.050	-3.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.676		-6.3	
2,4-Dinitrotoluene	0.418	0.412		-1.4	
Diethylphthalate	1.377	1.280		-7.0	
4-Chlorophenyl-phenylether	0.804	0.759		-5.6	
Fluorene	1.463	1.392		-4.9	
4-Nitroaniline	0.279	0.287		2.9	
4,6-Dinitro-2-methylphenol	0.125	0.118		-5.6	
n-Nitrosodiphenylamine	0.614	0.575		-6.4	20.0
2,4,6-Tribromophenol	0.296	0.278		-6.1	
4-Bromophenyl-phenylether	0.242	0.224		-7.4	
Hexachlorobenzene	0.279	0.256		-8.2	
Atrazine	0.222	0.208		-6.3	
Pentachlorophenol	0.157	0.148		-5.7	20.0
Phenanthrene	1.128	1.055		-6.5	
Anthracene	1.142	1.078		-5.6	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.100		-6.8	
Fluoranthene	1.324	1.253		-5.4	20.0
Pyrene	1.404	1.339		-4.6	
Terphenyl-d14	1.352	1.346		-0.4	
Butylbenzylphthalate	0.526	0.493		-6.3	
3,3-Dichlorobenzidine	0.527	0.512		-2.8	
Benzo (a) anthracene	1.377	1.316		-4.4	
Chrysene	1.275	1.197		-6.1	
Bis(2-ethylhexyl)phthalate	0.786	0.736		-6.4	
Di-n-octyl phthalate	1.296	1.179		-9.0	20.0
Benzo (b) fluoranthene	1.301	1.260		-3.2	
Benzo (k) fluoranthene	1.316	1.232		-6.4	
Benzo (a) pyrene	1.218	1.163		-4.5	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.428		-4.2	
Dibenzo (a,h) anthracene	1.215	1.165		-4.1	
Benzo (g,h,i) perylene	1.163	1.103		-5.2	
1,2,4,5-Tetrachlorobenzene	0.692	0.655		-5.3	
1,4-Dioxane	0.490	0.476		-2.9	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.385		-6.1	

All other compounds must meet a minimum RRF of 0.010.