

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date/Time: 03/07/2025 12:56

Lab File ID: BG064056.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.281	1.291		0.8	
Benzaldehyde	1.013	0.945		-6.7	
Phenol-d6	1.742	1.763		1.2	
Phenol	1.784	1.847		3.5	20.0
bis(2-Chloroethyl)ether	1.399	1.376		-1.6	
2-Chlorophenol	1.376	1.371		-0.4	
2-Methylphenol	1.184	1.182		-0.2	
2,2-oxybis(1-Chloropropane)	3.145	3.061		-2.7	
Acetophenone	0.548	0.561		2.4	
3+4-Methylphenols	1.630	1.620		-0.6	
n-Nitroso-di-n-propylamine	1.223	1.189	0.050	-2.8	
Nitrobenzene-d5	0.362	0.385		6.4	
Hexachloroethane	0.542	0.547		0.9	
Nitrobenzene	0.374	0.399		6.7	
Isophorone	0.724	0.728		0.6	
2-Nitrophenol	0.112	0.113		0.9	20.0
2,4-Dimethylphenol	0.217	0.225		3.7	
bis(2-Chloroethoxy)methane	0.439	0.444		1.1	
2,4-Dichlorophenol	0.274	0.286		4.4	20.0
Naphthalene	1.078	1.097		1.8	
4-Chloroaniline	0.394	0.411		4.3	
Hexachlorobutadiene	0.217	0.220		1.4	20.0
Caprolactam	0.105	0.113		7.6	
4-Chloro-3-methylphenol	0.359	0.384		7.0	20.0
2-Methylnaphthalene	0.761	0.799		5.0	
Hexachlorocyclopentadiene	0.161	0.164	0.050	1.9	
2,4,6-Trichlorophenol	0.337	0.357		5.9	20.0
2-Fluorobiphenyl	1.318	1.344		2.0	
2,4,5-Trichlorophenol	0.374	0.389		4.0	
1,1-Biphenyl	1.511	1.529		1.2	
2-Chloronaphthalene	1.102	1.114		1.1	
2-Nitroaniline	0.318	0.339		6.6	
Dimethylphthalate	1.476	1.470		-0.4	
Acenaphthylene	1.743	1.729		-0.8	
2,6-Dinitrotoluene	0.261	0.286		9.6	
3-Nitroaniline	0.285	0.315		10.5	
Acenaphthene	1.170	1.159		-0.9	20.0
2,4-Dinitrophenol	0.102	0.094	0.050	-7.8	
4-Nitrophenol	0.239	0.254	0.050	6.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.896		0.1	
2,4-Dinitrotoluene	0.357	0.390		9.2	
Diethylphthalate	1.603	1.634		1.9	
4-Chlorophenyl-phenylether	0.733	0.717		-2.2	
Fluorene	1.476	1.497		1.4	
4-Nitroaniline	0.308	0.340		10.4	
4,6-Dinitro-2-methylphenol	0.076	0.074		-2.6	
n-Nitrosodiphenylamine	0.566	0.579		2.3	20.0
2,4,6-Tribromophenol	0.222	0.238		7.2	
4-Bromophenyl-phenylether	0.205	0.212		3.4	
Hexachlorobenzene	0.229	0.235		2.6	
Atrazine	0.167	0.159		-4.8	
Pentachlorophenol	0.142	0.140		-1.4	20.0
Phenanthrene	1.067	1.101		3.2	
Anthracene	1.061	1.102		3.9	
Carbazole	0.990	1.032		4.2	
Di-n-butylphthalate	1.166	1.263		8.3	
Fluoranthene	1.286	1.358		5.6	20.0
Pyrene	1.289	1.254		-2.7	
Terphenyl-d14	0.989	0.966		-2.3	
Butylbenzylphthalate	0.423	0.459		8.5	
3,3-Dichlorobenzidine	0.415	0.439		5.8	
Benzo (a) anthracene	1.281	1.296		1.2	
Chrysene	1.278	1.269		-0.7	
Bis(2-ethylhexyl)phthalate	0.693	0.760		9.7	
Di-n-octyl phthalate	1.195	1.220		2.1	20.0
Benzo (b) fluoranthene	1.209	1.218		0.7	
Benzo (k) fluoranthene	1.213	1.234		1.7	
Benzo (a) pyrene	1.077	1.096		1.8	20.0
Indeno (1,2,3-cd) pyrene	1.338	1.369		2.3	
Dibenzo (a,h) anthracene	1.109	1.130		1.9	
Benzo (g,h,i) perylene	1.139	1.157		1.6	
1,2,4,5-Tetrachlorobenzene	0.571	0.583		2.1	
1,4-Dioxane	0.580	0.675		16.4	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.373		2.2	

All other compounds must meet a minimum RRF of 0.010.