

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Instrument ID: BNA_G Calibration Date/Time: 04/01/2025 11:38

Lab File ID: BG064130.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	1.136		-11.3	
Benzaldehyde	1.013	0.896		-11.6	
Phenol-d6	1.742	1.624		-6.8	
Phenol	1.784	1.651		-7.5	20.0
bis(2-Chloroethyl)ether	1.399	1.231		-12.0	
2-Chlorophenol	1.376	1.297		-5.7	
2-Methylphenol	1.184	1.136		-4.1	
2,2-oxybis(1-Chloropropane)	3.145	2.751		-12.5	
Acetophenone	0.548	0.512		-6.6	
3+4-Methylphenols	1.630	1.557		-4.5	
n-Nitroso-di-n-propylamine	1.223	1.139	0.050	-6.9	
Nitrobenzene-d5	0.362	0.374		3.3	
Hexachloroethane	0.542	0.539		-0.6	
Nitrobenzene	0.374	0.372		-0.5	
Isophorone	0.724	0.665		-8.1	
2-Nitrophenol	0.112	0.137		22.3	20.0
2,4-Dimethylphenol	0.217	0.214		-1.4	
bis(2-Chloroethoxy)methane	0.439	0.403		-8.2	
2,4-Dichlorophenol	0.274	0.284		3.7	20.0
Naphthalene	1.078	1.053		-2.3	
4-Chloroaniline	0.394	0.403		2.3	
Hexachlorobutadiene	0.217	0.225		3.7	20.0
Caprolactam	0.105	0.104		-1.0	
4-Chloro-3-methylphenol	0.359	0.379		5.6	20.0
2-Methylnaphthalene	0.761	0.785		3.2	
Hexachlorocyclopentadiene	0.161	0.197	0.050	22.4	
2,4,6-Trichlorophenol	0.337	0.344		2.1	20.0
2-Fluorobiphenyl	1.318	1.245		-5.5	
2,4,5-Trichlorophenol	0.374	0.383		2.4	
1,1-Biphenyl	1.511	1.476		-2.3	
2-Chloronaphthalene	1.102	1.056		-4.2	
2-Nitroaniline	0.318	0.373		17.3	
Dimethylphthalate	1.476	1.392		-5.7	
Acenaphthylene	1.743	1.682		-3.5	
2,6-Dinitrotoluene	0.261	0.299		14.6	
3-Nitroaniline	0.285	0.298		4.6	
Acenaphthene	1.170	1.098		-6.2	20.0
2,4-Dinitrophenol	0.102	0.115	0.050	12.7	
4-Nitrophenol	0.239	0.246	0.050	2.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.798		-5.1	
2,4-Dinitrotoluene	0.357	0.410		14.8	
Diethylphthalate	1.603	1.511		-5.7	
4-Chlorophenyl-phenylether	0.733	0.710		-3.1	
Fluorene	1.476	1.431		-3.0	
4-Nitroaniline	0.308	0.323		4.9	
4,6-Dinitro-2-methylphenol	0.076	0.092		21.1	
n-Nitrosodiphenylamine	0.566	0.565		-0.2	20.0
2,4,6-Tribromophenol	0.222	0.244		9.9	
4-Bromophenyl-phenylether	0.205	0.215		4.9	
Hexachlorobenzene	0.229	0.226		-1.3	
Atrazine	0.167	0.146		-12.6	
Pentachlorophenol	0.142	0.151		6.3	20.0
Phenanthrene	1.067	1.025		-3.9	
Anthracene	1.061	1.054		-0.7	
Carbazole	0.990	0.950		-4.0	
Di-n-butylphthalate	1.166	1.160		-0.5	
Fluoranthene	1.286	1.207		-6.1	20.0
Pyrene	1.289	1.276		-1.0	
Terphenyl-d14	0.989	0.963		-2.6	
Butylbenzylphthalate	0.423	0.499		18.0	
3,3-Dichlorobenzidine	0.415	0.419		1.0	
Benzo (a) anthracene	1.281	1.268		-1.0	
Chrysene	1.278	1.211		-5.2	
Bis(2-ethylhexyl)phthalate	0.693	0.758		9.4	
Di-n-octyl phthalate	1.195	1.288		7.8	20.0
Benzo (b) fluoranthene	1.209	1.178		-2.6	
Benzo (k) fluoranthene	1.213	1.168		-3.7	
Benzo (a) pyrene	1.077	1.032		-4.2	20.0
Indeno (1,2,3-cd) pyrene	1.338	1.326		-0.9	
Dibenzo (a,h) anthracene	1.109	1.088		-1.9	
Benzo (g,h,i) perylene	1.139	1.108		-2.7	
1,2,4,5-Tetrachlorobenzene	0.571	0.548		-4.0	
1,4-Dioxane	0.580	0.468		-19.3	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.377		3.3	

All other compounds must meet a minimum RRF of 0.010.