

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1982 SAS No.: Q1982 SDG No.: Q1982

Instrument ID: BNA_F Calibration Date/Time: 05/16/2025 09:45

Lab File ID: BF142416.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.230		4.9	
Benzaldehyde	0.843	0.825		-2.1	
Phenol-d6	1.441	1.481		2.8	
Phenol	1.531	1.669		9.0	20.0
bis(2-Chloroethyl)ether	1.506	1.236		-17.9	
2-Chlorophenol	1.252	1.338		6.9	
2-Methylphenol	1.014	1.054		3.9	
2,2-oxybis(1-Chloropropane)	2.249	2.119		-5.8	
Acetophenone	0.445	0.439		-1.3	
3+4-Methylphenols	1.265	1.302		2.9	
n-Nitroso-di-n-propylamine	0.891	0.890	0.050	-0.1	
Nitrobenzene-d5	0.328	0.370		12.8	
Hexachloroethane	0.478	0.511		6.9	
Nitrobenzene	0.309	0.341		10.4	
Isophorone	0.621	0.627		1.0	
2-Nitrophenol	0.129	0.185		43.4	20.0
2,4-Dimethylphenol	0.312	0.322		3.2	
bis(2-Chloroethoxy)methane	0.399	0.391		-2.0	
2,4-Dichlorophenol	0.265	0.291		9.8	20.0
Naphthalene	0.969	0.984		1.5	
4-Chloroaniline	0.395	0.403		2.0	
Hexachlorobutadiene	0.177	0.188		6.2	20.0
Caprolactam	0.077	0.090		16.9	
4-Chloro-3-methylphenol	0.276	0.292		5.8	20.0
2-Methylnaphthalene	0.602	0.608		1.0	
Hexachlorocyclopentadiene	0.345	0.398	0.050	15.4	
2,4,6-Trichlorophenol	0.352	0.398		13.1	20.0
2-Fluorobiphenyl	1.403	1.372		-2.2	
2,4,5-Trichlorophenol	0.375	0.423		12.8	
1,1-Biphenyl	1.533	1.536		0.2	
2-Chloronaphthalene	1.140	1.148		0.7	
2-Nitroaniline	0.292	0.352		20.5	
Dimethylphthalate	1.284	1.315		2.4	
Acenaphthylene	1.908	1.919		0.6	
2,6-Dinitrotoluene	0.240	0.294		22.5	
3-Nitroaniline	0.282	0.340		20.6	
Acenaphthene	1.147	1.183		3.1	20.0
2,4-Dinitrophenol	0.102	0.163	0.050	59.8	
4-Nitrophenol	0.212	0.253	0.050	19.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.699		0.4	
2,4-Dinitrotoluene	0.308	0.395		28.2	
Diethylphthalate	1.283	1.293		0.8	
4-Chlorophenyl-phenylether	0.623	0.643		3.2	
Fluorene	1.292	1.306		1.1	
4-Nitroaniline	0.223	0.289		29.6	
4,6-Dinitro-2-methylphenol	0.082	0.125		52.4	
n-Nitrosodiphenylamine	0.666	0.682		2.4	20.0
2,4,6-Tribromophenol	0.193	0.231		19.7	
4-Bromophenyl-phenylether	0.227	0.241		6.2	
Hexachlorobenzene	0.249	0.265		6.4	
Atrazine	0.175	0.195		11.4	
Pentachlorophenol	0.131	0.162		23.7	20.0
Phenanthrene	1.048	1.051		0.3	
Anthracene	1.077	1.081		0.4	
Carbazole	0.966	0.970		0.4	
Di-n-butylphthalate	1.016	1.068		5.1	
Fluoranthene	1.048	1.020		-2.7	20.0
Pyrene	1.780	1.900		6.7	
Terphenyl-d14	1.351	1.413		4.6	
Butylbenzylphthalate	0.449	0.566		26.1	
3,3-Dichlorobenzidine	0.301	0.435		44.5	
Benzo (a) anthracene	1.295	1.386		7.0	
Chrysene	1.206	1.202		-0.3	
Bis(2-ethylhexyl)phthalate	0.573	0.772		34.7	
Di-n-octyl phthalate	1.057	1.433		35.6	20.0
Benzo (b) fluoranthene	1.211	1.284		6.0	
Benzo (k) fluoranthene	1.109	1.028		-7.3	
Benzo (a) pyrene	1.085	1.150		6.0	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.503		8.1	
Dibenzo (a,h) anthracene	1.149	1.232		7.2	
Benzo (g,h,i) perylene	1.141	1.209		6.0	
1,2,4,5-Tetrachlorobenzene	0.559	0.581		3.9	
1,4-Dioxane	0.528	0.514		-2.7	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.349		12.9	

All other compounds must meet a minimum RRF of 0.010.