

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: 05/15/2025 15:41

Lab File ID: BF142393.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	1.241		5.9	
Benzaldehyde	0.843	0.816		-3.2	
Phenol-d6	1.441	1.485		3.1	
Phenol	1.531	1.695		10.7	20.0
bis(2-Chloroethyl)ether	1.506	1.233		-18.1	
2-Chlorophenol	1.252	1.345		7.4	
2-Methylphenol	1.014	1.038		2.4	
2,2-oxybis(1-Chloropropane)	2.249	2.063		-8.3	
Acetophenone	0.445	0.450		1.1	
3+4-Methylphenols	1.265	1.272		0.6	
n-Nitroso-di-n-propylamine	0.891	0.839	0.050	-5.8	
Nitrobenzene-d5	0.328	0.381		16.2	
Hexachloroethane	0.478	0.508		6.3	
Nitrobenzene	0.309	0.348		12.6	
Isophorone	0.621	0.610		-1.8	
2-Nitrophenol	0.129	0.191		48.1	20.0
2,4-Dimethylphenol	0.312	0.334		7.1	
bis(2-Chloroethoxy)methane	0.399	0.386		-3.3	
2,4-Dichlorophenol	0.265	0.295		11.3	20.0
Naphthalene	0.969	1.000		3.2	
4-Chloroaniline	0.395	0.410		3.8	
Hexachlorobutadiene	0.177	0.189		6.8	20.0
Caprolactam	0.077	0.088		14.3	
4-Chloro-3-methylphenol	0.276	0.289		4.7	20.0
2-Methylnaphthalene	0.602	0.607		0.8	
Hexachlorocyclopentadiene	0.345	0.400	0.050	15.9	
2,4,6-Trichlorophenol	0.352	0.415		17.9	20.0
2-Fluorobiphenyl	1.403	1.411		0.6	
2,4,5-Trichlorophenol	0.375	0.420		12.0	
1,1-Biphenyl	1.533	1.588		3.6	
2-Chloronaphthalene	1.140	1.175		3.1	
2-Nitroaniline	0.292	0.366		25.3	
Dimethylphthalate	1.284	1.323		3.0	
Acenaphthylene	1.908	1.964		2.9	
2,6-Dinitrotoluene	0.240	0.296		23.3	
3-Nitroaniline	0.282	0.341		20.9	
Acenaphthene	1.147	1.207		5.2	20.0
2,4-Dinitrophenol	0.102	0.161	0.050	57.8	
4-Nitrophenol	0.212	0.262	0.050	23.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.726		1.9	
2,4-Dinitrotoluene	0.308	0.398		29.2	
Diethylphthalate	1.283	1.261		-1.7	
4-Chlorophenyl-phenylether	0.623	0.632		1.4	
Fluorene	1.292	1.291		-0.1	
4-Nitroaniline	0.223	0.289		29.6	
4,6-Dinitro-2-methylphenol	0.082	0.126		53.7	
n-Nitrosodiphenylamine	0.666	0.707		6.2	20.0
2,4,6-Tribromophenol	0.193	0.224		16.1	
4-Bromophenyl-phenylether	0.227	0.237		4.4	
Hexachlorobenzene	0.249	0.266		6.8	
Atrazine	0.175	0.193		10.3	
Pentachlorophenol	0.131	0.161		22.9	20.0
Phenanthrene	1.048	1.080		3.1	
Anthracene	1.077	1.097		1.9	
Carbazole	0.966	0.961		-0.5	
Di-n-butylphthalate	1.016	0.974		-4.1	
Fluoranthene	1.048	0.943		-10.0	20.0
Pyrene	1.780	1.748		-1.8	
Terphenyl-d14	1.351	1.252		-7.3	
Butylbenzylphthalate	0.449	0.507		12.9	
3,3-Dichlorobenzidine	0.301	0.454		50.8	
Benzo (a) anthracene	1.295	1.376		6.3	
Chrysene	1.206	1.208		0.2	
Bis(2-ethylhexyl)phthalate	0.573	0.662		15.5	
Di-n-octyl phthalate	1.057	1.337		26.5	20.0
Benzo (b) fluoranthene	1.211	1.251		3.3	
Benzo (k) fluoranthene	1.109	1.029		-7.2	
Benzo (a) pyrene	1.085	1.150		6.0	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.481		6.5	
Dibenzo (a,h) anthracene	1.149	1.194		3.9	
Benzo (g,h,i) perylene	1.141	1.201		5.3	
1,2,4,5-Tetrachlorobenzene	0.559	0.597		6.8	
1,4-Dioxane	0.528	0.533		0.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.354		14.6	

All other compounds must meet a minimum RRF of 0.010.