

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: 05/14/2025 12:19

Lab File ID: BF142360.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	1.192		1.7	
Benzaldehyde	0.843	0.731		-13.3	
Phenol-d6	1.441	1.456		1.0	
Phenol	1.531	1.662		8.6	20.0
bis(2-Chloroethyl)ether	1.506	1.243		-17.5	
2-Chlorophenol	1.252	1.302		4.0	
2-Methylphenol	1.014	1.011		-0.3	
2,2-oxybis(1-Chloropropane)	2.249	2.070		-8.0	
Acetophenone	0.445	0.431		-3.1	
3+4-Methylphenols	1.265	1.279		1.1	
n-Nitroso-di-n-propylamine	0.891	0.846	0.050	-5.1	
Nitrobenzene-d5	0.328	0.358		9.1	
Hexachloroethane	0.478	0.481		0.6	
Nitrobenzene	0.309	0.334		8.1	
Isophorone	0.621	0.593		-4.5	
2-Nitrophenol	0.129	0.169		31.0	20.0
2,4-Dimethylphenol	0.312	0.313		0.3	
bis(2-Chloroethoxy)methane	0.399	0.370		-7.3	
2,4-Dichlorophenol	0.265	0.275		3.8	20.0
Naphthalene	0.969	0.947		-2.3	
4-Chloroaniline	0.395	0.403		2.0	
Hexachlorobutadiene	0.177	0.173		-2.3	20.0
Caprolactam	0.077	0.087		13.0	
4-Chloro-3-methylphenol	0.276	0.283		2.5	20.0
2-Methylnaphthalene	0.602	0.579		-3.8	
Hexachlorocyclopentadiene	0.345	0.379	0.050	9.9	
2,4,6-Trichlorophenol	0.352	0.383		8.8	20.0
2-Fluorobiphenyl	1.403	1.321		-5.8	
2,4,5-Trichlorophenol	0.375	0.389		3.7	
1,1-Biphenyl	1.533	1.472		-4.0	
2-Chloronaphthalene	1.140	1.099		-3.6	
2-Nitroaniline	0.292	0.342		17.1	
Dimethylphthalate	1.284	1.233		-4.0	
Acenaphthylene	1.908	1.859		-2.6	
2,6-Dinitrotoluene	0.240	0.275		14.6	
3-Nitroaniline	0.282	0.327		16.0	
Acenaphthene	1.147	1.128		-1.7	20.0
2,4-Dinitrophenol	0.102	0.141	0.050	38.2	
4-Nitrophenol	0.212	0.257	0.050	21.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.628		-3.8	
2,4-Dinitrotoluene	0.308	0.369		19.8	
Diethylphthalate	1.283	1.187		-7.5	
4-Chlorophenyl-phenylether	0.623	0.587		-5.8	
Fluorene	1.292	1.225		-5.2	
4-Nitroaniline	0.223	0.251		12.6	
4,6-Dinitro-2-methylphenol	0.082	0.105		28.0	
n-Nitrosodiphenylamine	0.666	0.647		-2.9	20.0
2,4,6-Tribromophenol	0.193	0.212		9.8	
4-Bromophenyl-phenylether	0.227	0.218		-4.0	
Hexachlorobenzene	0.249	0.244		-2.0	
Atrazine	0.175	0.177		1.1	
Pentachlorophenol	0.131	0.153		16.8	20.0
Phenanthrene	1.048	1.019		-2.8	
Anthracene	1.077	1.055		-2.0	
Carbazole	0.966	0.954		-1.2	
Di-n-butylphthalate	1.016	0.953		-6.2	
Fluoranthene	1.048	0.997		-4.9	20.0
Pyrene	1.780	1.920		7.9	
Terphenyl-d14	1.351	1.365		1.0	
Butylbenzylphthalate	0.449	0.448		-0.2	
3,3-Dichlorobenzidine	0.301	0.337		12.0	
Benzo (a) anthracene	1.295	1.261		-2.6	
Chrysene	1.206	1.176		-2.5	
Bis(2-ethylhexyl)phthalate	0.573	0.527		-8.0	
Di-n-octyl phthalate	1.057	1.002		-5.2	20.0
Benzo (b) fluoranthene	1.211	1.096		-9.5	
Benzo (k) fluoranthene	1.109	1.080		-2.6	
Benzo (a) pyrene	1.085	1.091		0.6	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.485		6.8	
Dibenzo (a,h) anthracene	1.149	1.204		4.8	
Benzo (g,h,i) perylene	1.141	1.225		7.4	
1,2,4,5-Tetrachlorobenzene	0.559	0.544		-2.7	
1,4-Dioxane	0.528	0.529		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.334		8.1	

All other compounds must meet a minimum RRF of 0.010.