

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074

Instrument ID: BNA_F Calibration Date/Time: 05/21/2025 10:40

Lab File ID: BF142478.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.087		-8.4	
Benzaldehyde	0.859	0.796		-7.3	
Phenol-d6	1.429	1.358		-5.0	
Phenol	1.608	1.558		-3.1	20.0
bis(2-Chloroethyl)ether	1.157	1.067		-7.8	
2-Chlorophenol	1.293	1.186		-8.3	
2-Methylphenol	1.010	0.970		-4.0	
2,2-oxybis(1-Chloropropane)	1.944	1.877		-3.4	
Acetophenone	0.443	0.405		-8.6	
3+4-Methylphenols	1.293	1.183		-8.5	
n-Nitroso-di-n-propylamine	0.886	0.800	0.050	-9.7	
Nitrobenzene-d5	0.367	0.343		-6.5	
Hexachloroethane	0.507	0.456		-10.1	
Nitrobenzene	0.331	0.317		-4.2	
Isophorone	0.613	0.568		-7.3	
2-Nitrophenol	0.177	0.174		-1.7	20.0
2,4-Dimethylphenol	0.312	0.300		-3.8	
bis(2-Chloroethoxy)methane	0.383	0.364		-5.0	
2,4-Dichlorophenol	0.283	0.278		-1.8	20.0
Naphthalene	0.985	0.928		-5.8	
4-Chloroaniline	0.399	0.393		-1.5	
Hexachlorobutadiene	0.192	0.182		-5.2	20.0
Caprolactam	0.080	0.084		5.0	
4-Chloro-3-methylphenol	0.291	0.287		-1.4	20.0
2-Methylnaphthalene	0.620	0.570		-8.1	
Hexachlorocyclopentadiene	0.387	0.381	0.050	-1.5	
2,4,6-Trichlorophenol	0.387	0.383		-1.0	20.0
2-Fluorobiphenyl	1.490	1.373		-7.9	
2,4,5-Trichlorophenol	0.408	0.396		-2.9	
1,1-Biphenyl	1.552	1.477		-4.8	
2-Chloronaphthalene	1.146	1.098		-4.2	
2-Nitroaniline	0.331	0.331		0.0	
Dimethylphthalate	1.320	1.241		-6.0	
Acenaphthylene	1.936	1.795		-7.3	
2,6-Dinitrotoluene	0.285	0.278		-2.5	
3-Nitroaniline	0.311	0.312		0.3	
Acenaphthene	1.182	1.125		-4.8	20.0
2,4-Dinitrophenol	0.147	0.159	0.050	8.2	
4-Nitrophenol	0.230	0.243	0.050	5.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.672		-1.7	
2,4-Dinitrotoluene	0.372	0.383		3.0	
Diethylphthalate	1.289	1.286		-0.2	
4-Chlorophenyl-phenylether	0.646	0.606		-6.2	
Fluorene	1.314	1.229		-6.5	
4-Nitroaniline	0.282	0.296		5.0	
4,6-Dinitro-2-methylphenol	0.112	0.119		6.3	
n-Nitrosodiphenylamine	0.684	0.641		-6.3	20.0
2,4,6-Tribromophenol	0.222	0.225		1.4	
4-Bromophenyl-phenylether	0.236	0.219		-7.2	
Hexachlorobenzene	0.262	0.247		-5.7	
Atrazine	0.182	0.186		2.2	
Pentachlorophenol	0.148	0.153		3.4	20.0
Phenanthrene	1.069	0.989		-7.5	
Anthracene	1.091	1.022		-6.3	
Carbazole	0.933	0.929		-0.4	
Di-n-butylphthalate	1.021	1.084		6.2	
Fluoranthene	0.999	0.984		-1.5	20.0
Pyrene	1.866	1.932		3.5	
Terphenyl-d14	1.464	1.466		0.1	
Butylbenzylphthalate	0.516	0.570		10.5	
3,3-Dichlorobenzidine	0.405	0.387		-4.4	
Benzo (a) anthracene	1.336	1.289		-3.5	
Chrysene	1.200	1.116		-7.0	
Bis(2-ethylhexyl)phthalate	0.660	0.620		-6.1	
Di-n-octyl phthalate	1.290	1.049		-18.7	20.0
Benzo (b) fluoranthene	1.184	1.216		2.7	
Benzo (k) fluoranthene	1.109	0.996		-10.2	
Benzo (a) pyrene	1.116	1.061		-4.9	20.0
Indeno (1,2,3-cd) pyrene	1.501	1.409		-6.1	
Dibenzo (a,h) anthracene	1.218	1.156		-5.1	
Benzo (g,h,i) perylene	1.218	1.202		-1.3	
1,2,4,5-Tetrachlorobenzene	0.574	0.545		-5.1	
1,4-Dioxane	0.475	0.429		-9.7	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.346		1.5	

All other compounds must meet a minimum RRF of 0.010.