

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2436 SAS No.: Q2436 SDG No.: Q2436

Instrument ID: BNA_F Calibration Date/Time: 06/30/2025 15:35

Lab File ID: BF142916.D Init. Calib. Date(s): 06/19/2025 06/19/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:07 20:40

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.201	1.259		4.8	
Benzaldehyde	0.841	0.749		-10.9	
Phenol-d6	1.417	1.469		3.7	
Phenol	1.575	1.622		3.0	20.0
bis(2-Chloroethyl)ether	1.126	1.177		4.5	
2-Chlorophenol	1.296	1.364		5.2	
2-Methylphenol	0.982	1.023		4.2	
2,2-oxybis(1-Chloropropane)	1.809	1.775		-1.9	
Acetophenone	0.441	0.450		2.0	
3+4-Methylphenols	1.224	1.289		5.3	
n-Nitroso-di-n-propylamine	0.824	0.852	0.050	3.4	
Nitrobenzene-d5	0.365	0.436		19.5	
Hexachloroethane	0.511	0.544		6.5	
Nitrobenzene	0.330	0.336		1.8	
Isophorone	0.585	0.582		-0.5	
2-Nitrophenol	0.180	0.189		5.0	20.0
2,4-Dimethylphenol	0.311	0.316		1.6	
bis(2-Chloroethoxy)methane	0.372	0.374		0.5	
2,4-Dichlorophenol	0.282	0.292		3.5	20.0
Naphthalene	0.979	0.992		1.3	
4-Chloroaniline	0.398	0.399		0.3	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.075		0.0	
4-Chloro-3-methylphenol	0.281	0.281		0.0	20.0
2-Methylnaphthalene	0.607	0.607		0.0	
Hexachlorocyclopentadiene	0.335	0.325	0.050	-3.0	
2,4,6-Trichlorophenol	0.385	0.392		1.8	20.0
2-Fluorobiphenyl	1.522	1.795		17.9	
2,4,5-Trichlorophenol	0.405	0.421		4.0	
1,1-Biphenyl	1.580	1.626		2.9	
2-Chloronaphthalene	1.186	1.221		3.0	
2-Nitroaniline	0.332	0.343		3.3	
Dimethylphthalate	1.295	1.343		3.7	
Acenaphthylene	1.952	2.004		2.7	
2,6-Dinitrotoluene	0.284	0.293		3.2	
3-Nitroaniline	0.313	0.320		2.2	
Acenaphthene	1.191	1.224		2.8	20.0
2,4-Dinitrophenol	0.142	0.137	0.050	-3.5	
4-Nitrophenol	0.214	0.207	0.050	-3.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.735		1.6	
2,4-Dinitrotoluene	0.378	0.392		3.7	
Diethylphthalate	1.269	1.310		3.2	
4-Chlorophenyl-phenylether	0.636	0.652		2.5	
Fluorene	1.334	1.357		1.7	
4-Nitroaniline	0.286	0.291		1.7	
4,6-Dinitro-2-methylphenol	0.121	0.128		5.8	
n-Nitrosodiphenylamine	0.693	0.733		5.8	20.0
2,4,6-Tribromophenol	0.206	0.207		0.5	
4-Bromophenyl-phenylether	0.228	0.244		7.0	
Hexachlorobenzene	0.253	0.265		4.7	
Atrazine	0.179	0.197		10.1	
Pentachlorophenol	0.126	0.124		-1.6	20.0
Phenanthrene	1.083	1.115		3.0	
Anthracene	1.111	1.158		4.2	
Carbazole	0.959	0.985		2.7	
Di-n-butylphthalate	0.999	1.089		9.0	
Fluoranthene	1.028	1.021		-0.7	20.0
Pyrene	1.875	1.763		-6.0	
Terphenyl-d14	1.447	1.557		7.6	
Butylbenzylphthalate	0.544	0.614		12.9	
3,3-Dichlorobenzidine	0.438	0.480		9.6	
Benzo (a) anthracene	1.349	1.401		3.9	
Chrysene	1.204	1.237		2.7	
Bis(2-ethylhexyl)phthalate	0.782	0.891		13.9	
Di-n-octyl phthalate	1.475	1.586		7.5	20.0
Benzo (b) fluoranthene	1.157	1.202		3.9	
Benzo (k) fluoranthene	1.083	1.109		2.4	
Benzo (a) pyrene	1.118	1.174		5.0	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.515		-0.5	
Dibenzo (a,h) anthracene	1.238	1.239		0.1	
Benzo (g,h,i) perylene	1.234	1.215		-1.5	
1,2,4,5-Tetrachlorobenzene	0.590	0.618		4.7	
1,4-Dioxane	0.480	0.489		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.332		1.8	

All other compounds must meet a minimum RRF of 0.010.