

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG No.: Q2413

Instrument ID: BNA_F Calibration Date/Time: 06/26/2025 09:39

Lab File ID: BF142857.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	1.244		3.6	
Benzaldehyde	0.841	0.756		-10.1	
Phenol-d6	1.417	1.459		3.0	
Phenol	1.575	1.619		2.8	20.0
bis(2-Chloroethyl)ether	1.126	1.173		4.2	
2-Chlorophenol	1.296	1.352		4.3	
2-Methylphenol	0.982	1.017		3.6	
2,2-oxybis(1-Chloropropane)	1.809	1.816		0.4	
Acetophenone	0.441	0.456		3.4	
3+4-Methylphenols	1.224	1.278		4.4	
n-Nitroso-di-n-propylamine	0.824	0.847	0.050	2.8	
Nitrobenzene-d5	0.365	0.443		21.4	
Hexachloroethane	0.511	0.530		3.7	
Nitrobenzene	0.330	0.344		4.2	
Isophorone	0.585	0.615		5.1	
2-Nitrophenol	0.180	0.193		7.2	20.0
2,4-Dimethylphenol	0.311	0.323		3.9	
bis(2-Chloroethoxy)methane	0.372	0.389		4.6	
2,4-Dichlorophenol	0.282	0.301		6.7	20.0
Naphthalene	0.979	1.015		3.7	
4-Chloroaniline	0.398	0.413		3.8	
Hexachlorobutadiene	0.190	0.198		4.2	20.0
Caprolactam	0.075	0.085		13.3	
4-Chloro-3-methylphenol	0.281	0.301		7.1	20.0
2-Methylnaphthalene	0.607	0.638		5.1	
Hexachlorocyclopentadiene	0.335	0.315	0.050	-6.0	
2,4,6-Trichlorophenol	0.385	0.387		0.5	20.0
2-Fluorobiphenyl	1.522	1.697		11.5	
2,4,5-Trichlorophenol	0.405	0.414		2.2	
1,1-Biphenyl	1.580	1.562		-1.1	
2-Chloronaphthalene	1.186	1.175		-0.9	
2-Nitroaniline	0.332	0.348		4.8	
Dimethylphthalate	1.295	1.362		5.2	
Acenaphthylene	1.952	1.953		0.1	
2,6-Dinitrotoluene	0.284	0.300		5.6	
3-Nitroaniline	0.313	0.339		8.3	
Acenaphthene	1.191	1.201		0.8	20.0
2,4-Dinitrophenol	0.142	0.164	0.050	15.5	
4-Nitrophenol	0.214	0.232	0.050	8.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.708	1.724		0.9	
2,4-Dinitrotoluene	0.378	0.411		8.7	
Diethylphthalate	1.269	1.362		7.3	
4-Chlorophenyl-phenylether	0.636	0.652		2.5	
Fluorene	1.334	1.364		2.2	
4-Nitroaniline	0.286	0.329		15.0	
4,6-Dinitro-2-methylphenol	0.121	0.131		8.3	
n-Nitrosodiphenylamine	0.693	0.693		0.0	20.0
2,4,6-Tribromophenol	0.206	0.223		8.3	
4-Bromophenyl-phenylether	0.228	0.233		2.2	
Hexachlorobenzene	0.253	0.261		3.2	
Atrazine	0.179	0.208		16.2	
Pentachlorophenol	0.126	0.138		9.5	20.0
Phenanthrene	1.083	1.100		1.6	
Anthracene	1.111	1.136		2.3	
Carbazole	0.959	1.025		6.9	
Di-n-butylphthalate	0.999	1.187		18.8	
Fluoranthene	1.028	1.123		9.2	20.0
Pyrene	1.875	1.932		3.0	
Terphenyl-d14	1.447	1.677		15.9	
Butylbenzylphthalate	0.544	0.638		17.3	
3,3-Dichlorobenzidine	0.438	0.428		-2.3	
Benzo (a) anthracene	1.349	1.377		2.1	
Chrysene	1.204	1.250		3.8	
Bis(2-ethylhexyl)phthalate	0.782	0.763		-2.4	
Di-n-octyl phthalate	1.475	1.247		-15.5	20.0
Benzo (b) fluoranthene	1.157	1.283		10.9	
Benzo (k) fluoranthene	1.083	1.100		1.6	
Benzo (a) pyrene	1.118	1.173		4.9	20.0
Indeno (1,2,3-cd) pyrene	1.523	1.584		4.0	
Dibenzo (a,h) anthracene	1.238	1.292		4.4	
Benzo (g,h,i) perylene	1.234	1.288		4.4	
1,2,4,5-Tetrachlorobenzene	0.590	0.588		-0.3	
1,4-Dioxane	0.480	0.489		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.326	0.337		3.4	

All other compounds must meet a minimum RRF of 0.010.