

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/12/2025 09:50

Lab File ID: BF142748.D Init. Calib. Date(s): 06/10/2025 06/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:54 20:19

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.174	1.175		0.1	
Benzaldehyde	0.856	0.797		-6.9	
Phenol-d6	1.382	1.342		-2.9	
Phenol	1.536	1.497		-2.5	20.0
bis(2-Chloroethyl)ether	1.147	1.093		-4.7	
2-Chlorophenol	1.283	1.262		-1.6	
2-Methylphenol	0.984	0.951		-3.4	
2,2-oxybis(1-Chloropropane)	1.806	1.699		-5.9	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.240	1.171		-5.6	
n-Nitroso-di-n-propylamine	0.880	0.795	0.050	-9.7	
Nitrobenzene-d5	0.365	0.362		-0.8	
Hexachloroethane	0.530	0.514		-3.0	
Nitrobenzene	0.324	0.324		0.0	
Isophorone	0.619	0.568		-8.2	
2-Nitrophenol	0.181	0.176		-2.8	20.0
2,4-Dimethylphenol	0.308	0.303		-1.6	
bis(2-Chloroethoxy)methane	0.384	0.365		-4.9	
2,4-Dichlorophenol	0.284	0.278		-2.1	20.0
Naphthalene	0.989	0.963		-2.6	
4-Chloroaniline	0.397	0.377		-5.0	
Hexachlorobutadiene	0.200	0.199		-0.5	20.0
Caprolactam	0.077	0.066		-14.3	
4-Chloro-3-methylphenol	0.296	0.272		-8.1	20.0
2-Methylnaphthalene	0.626	0.589		-5.9	
Hexachlorocyclopentadiene	0.372	0.359	0.050	-3.5	
2,4,6-Trichlorophenol	0.375	0.381		1.6	20.0
2-Fluorobiphenyl	1.505	1.507		0.1	
2,4,5-Trichlorophenol	0.405	0.402		-0.7	
1,1-Biphenyl	1.553	1.558		0.3	
2-Chloronaphthalene	1.144	1.155		1.0	
2-Nitroaniline	0.325	0.314		-3.4	
Dimethylphthalate	1.336	1.248		-6.6	
Acenaphthylene	1.929	1.913		-0.8	
2,6-Dinitrotoluene	0.289	0.266		-8.0	
3-Nitroaniline	0.313	0.290		-7.3	
Acenaphthene	1.196	1.155		-3.4	20.0
2,4-Dinitrophenol	0.158	0.125	0.050	-20.9	
4-Nitrophenol	0.212	0.185	0.050	-12.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.703	1.644		-3.5	
2,4-Dinitrotoluene	0.382	0.352		-7.9	
Diethylphthalate	1.324	1.176		-11.2	
4-Chlorophenyl-phenylether	0.657	0.619		-5.8	
Fluorene	1.345	1.257		-6.5	
4-Nitroaniline	0.280	0.254		-9.3	
4,6-Dinitro-2-methylphenol	0.125	0.114		-8.8	
n-Nitrosodiphenylamine	0.687	0.684		-0.4	20.0
2,4,6-Tribromophenol	0.219	0.199		-9.1	
4-Bromophenyl-phenylether	0.236	0.231		-2.1	
Hexachlorobenzene	0.262	0.254		-3.1	
Atrazine	0.183	0.167		-8.7	
Pentachlorophenol	0.137	0.127		-7.3	20.0
Phenanthrene	1.071	1.031		-3.7	
Anthracene	1.108	1.071		-3.3	
Carbazole	0.928	0.892		-3.9	
Di-n-butylphthalate	1.036	0.951		-8.2	
Fluoranthene	1.019	0.949		-6.9	20.0
Pyrene	1.859	1.594		-14.3	
Terphenyl-d14	1.456	1.245		-14.5	
Butylbenzylphthalate	0.550	0.566		2.9	
3,3-Dichlorobenzidine	0.427	0.465		8.9	
Benzo (a) anthracene	1.325	1.297		-2.1	
Chrysene	1.224	1.214		-0.8	
Bis(2-ethylhexyl)phthalate	0.825	0.883		7.0	
Di-n-octyl phthalate	1.582	1.645		4.0	20.0
Benzo (b) fluoranthene	1.178	1.089		-7.6	
Benzo (k) fluoranthene	1.143	1.134		-0.8	
Benzo (a) pyrene	1.120	1.094		-2.3	20.0
Indeno (1,2,3-cd) pyrene	1.482	1.417		-4.4	
Dibenzo (a,h) anthracene	1.210	1.148		-5.1	
Benzo (g,h,i) perylene	1.203	1.125		-6.5	
1,2,4,5-Tetrachlorobenzene	0.579	0.594		2.6	
1,4-Dioxane	0.465	0.477		2.6	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.