

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: BNA_P Calibration Date/Time: 06/10/2025 10:53

Lab File ID: BP024888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 15:18

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.199		0.1	
Benzaldehyde	0.914	0.959		4.9	
Phenol-d6	1.585	1.573		-0.8	
Phenol	1.634	1.630		-0.2	20.0
bis(2-Chloroethyl)ether	1.285	1.306		1.6	
2-Chlorophenol	1.358	1.365		0.5	
2-Methylphenol	1.141	1.143		0.2	
2,2-oxybis(1-Chloropropane)	1.682	1.667		-0.9	
Acetophenone	0.505	0.510		1.0	
3+4-Methylphenols	1.557	1.543		-0.9	
n-Nitroso-di-n-propylamine	1.078	1.086	0.050	0.7	
Nitrobenzene-d5	0.412	0.415		0.7	
Hexachloroethane	0.576	0.567		-1.6	
Nitrobenzene	0.366	0.363		-0.8	
Isophorone	0.713	0.722		1.3	
2-Nitrophenol	0.180	0.191		6.1	20.0
2,4-Dimethylphenol	0.309	0.317		2.6	
bis(2-Chloroethoxy)methane	0.426	0.432		1.4	
2,4-Dichlorophenol	0.296	0.306		3.4	20.0
Naphthalene	1.025	1.011		-1.4	
4-Chloroaniline	0.429	0.441		2.8	
Hexachlorobutadiene	0.201	0.205		2.0	20.0
Caprolactam	0.109	0.110		0.9	
4-Chloro-3-methylphenol	0.342	0.345		0.9	20.0
2-Methylnaphthalene	0.650	0.651		0.2	
Hexachlorocyclopentadiene	0.346	0.335	0.050	-3.2	
2,4,6-Trichlorophenol	0.381	0.394		3.4	20.0
2-Fluorobiphenyl	1.485	1.475		-0.7	
2,4,5-Trichlorophenol	0.408	0.423		3.7	
1,1-Biphenyl	1.453	1.451		-0.1	
2-Chloronaphthalene	1.117	1.112		-0.4	
2-Nitroaniline	0.343	0.341		-0.6	
Dimethylphthalate	1.475	1.472		-0.2	
Acenaphthylene	1.863	1.865		0.1	
2,6-Dinitrotoluene	0.318	0.321		0.9	
3-Nitroaniline	0.330	0.340		3.0	
Acenaphthene	1.067	1.066		-0.1	20.0
2,4-Dinitrophenol	0.178	0.187	0.050	5.1	
4-Nitrophenol	0.239	0.238	0.050	-0.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.713	1.701		-0.7	
2,4-Dinitrotoluene	0.445	0.463		4.0	
Diethylphthalate	1.470	1.494		1.6	
4-Chlorophenyl-phenylether	0.677	0.688		1.6	
Fluorene	1.384	1.390		0.4	
4-Nitroaniline	0.299	0.338		13.0	
4,6-Dinitro-2-methylphenol	0.131	0.134		2.3	
n-Nitrosodiphenylamine	0.620	0.609		-1.8	20.0
2,4,6-Tribromophenol	0.277	0.294		6.1	
4-Bromophenyl-phenylether	0.226	0.231		2.2	
Hexachlorobenzene	0.274	0.269		-1.8	
Atrazine	0.225	0.233		3.6	
Pentachlorophenol	0.142	0.159		12.0	20.0
Phenanthrene	1.105	1.093		-1.1	
Anthracene	1.119	1.109		-0.9	
Carbazole	1.038	1.036		-0.2	
Di-n-butylphthalate	1.285	1.380		7.4	
Fluoranthene	1.281	1.281		0.0	20.0
Pyrene	1.249	1.222		-2.2	
Terphenyl-d14	1.116	1.120		0.4	
Butylbenzylphthalate	0.572	0.600		4.9	
3,3-Dichlorobenzidine	0.508	0.519		2.2	
Benzo (a) anthracene	1.279	1.262		-1.3	
Chrysene	1.212	1.194		-1.5	
Bis(2-ethylhexyl)phthalate	0.820	0.906		10.5	
Di-n-octyl phthalate	1.445	1.569		8.6	20.0
Benzo (b) fluoranthene	1.145	1.151		0.5	
Benzo (k) fluoranthene	1.165	1.135		-2.6	
Benzo (a) pyrene	1.118	1.119		0.1	20.0
Indeno (1,2,3-cd) pyrene	1.459	1.445		-1.0	
Dibenzo (a,h) anthracene	1.188	1.179		-0.8	
Benzo (g,h,i) perylene	1.179	1.134		-3.8	
1,2,4,5-Tetrachlorobenzene	0.568	0.568		0.0	
1,4-Dioxane	0.527	0.493		-6.5	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.377		3.3	

All other compounds must meet a minimum RRF of 0.010.