

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: BNA_F Calibration Date/Time: 05/13/2025 10:49

Lab File ID: BF142336.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.367		16.6	
Benzaldehyde	0.843	0.753		-10.7	
Phenol-d6	1.441	1.664		15.5	
Phenol	1.531	1.898		24.0	20.0
bis(2-Chloroethyl)ether	1.506	1.507		0.1	
2-Chlorophenol	1.252	1.494		19.3	
2-Methylphenol	1.014	1.200		18.3	
2,2-oxybis(1-Chloropropane)	2.249	2.554		13.6	
Acetophenone	0.445	0.499		12.1	
3+4-Methylphenols	1.265	1.480		17.0	
n-Nitroso-di-n-propylamine	0.891	1.031	0.050	15.7	
Nitrobenzene-d5	0.328	0.407		24.1	
Hexachloroethane	0.478	0.564		18.0	
Nitrobenzene	0.309	0.384		24.3	
Isophorone	0.621	0.722		16.3	
2-Nitrophenol	0.129	0.174		34.9	20.0
2,4-Dimethylphenol	0.312	0.365		17.0	
bis(2-Chloroethoxy)methane	0.399	0.454		13.8	
2,4-Dichlorophenol	0.265	0.324		22.3	20.0
Naphthalene	0.969	1.107		14.2	
4-Chloroaniline	0.395	0.472		19.5	
Hexachlorobutadiene	0.177	0.205		15.8	20.0
Caprolactam	0.077	0.101		31.2	
4-Chloro-3-methylphenol	0.276	0.328		18.8	20.0
2-Methylnaphthalene	0.602	0.684		13.6	
Hexachlorocyclopentadiene	0.345	0.427	0.050	23.8	
2,4,6-Trichlorophenol	0.352	0.428		21.6	20.0
2-Fluorobiphenyl	1.403	1.493		6.4	
2,4,5-Trichlorophenol	0.375	0.463		23.5	
1,1-Biphenyl	1.533	1.716		11.9	
2-Chloronaphthalene	1.140	1.289		13.1	
2-Nitroaniline	0.292	0.387		32.5	
Dimethylphthalate	1.284	1.507		17.4	
Acenaphthylene	1.908	2.144		12.4	
2,6-Dinitrotoluene	0.240	0.324		35.0	
3-Nitroaniline	0.282	0.375		33.0	
Acenaphthene	1.147	1.291		12.6	20.0
2,4-Dinitrophenol	0.102	0.137	0.050	34.3	
4-Nitrophenol	0.212	0.286	0.050	34.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.907		12.6	
2,4-Dinitrotoluene	0.308	0.427		38.6	
Diethylphthalate	1.283	1.519		18.4	
4-Chlorophenyl-phenylether	0.623	0.707		13.5	
Fluorene	1.292	1.434		11.0	
4-Nitroaniline	0.223	0.278		24.7	
4,6-Dinitro-2-methylphenol	0.082	0.108		31.7	
n-Nitrosodiphenylamine	0.666	0.748		12.3	20.0
2,4,6-Tribromophenol	0.193	0.249		29.0	
4-Bromophenyl-phenylether	0.227	0.262		15.4	
Hexachlorobenzene	0.249	0.290		16.5	
Atrazine	0.175	0.220		25.7	
Pentachlorophenol	0.131	0.173		32.1	20.0
Phenanthrene	1.048	1.171		11.7	
Anthracene	1.077	1.205		11.9	
Carbazole	0.966	1.086		12.4	
Di-n-butylphthalate	1.016	1.242		22.2	
Fluoranthene	1.048	1.170		11.6	20.0
Pyrene	1.780	1.976		11.0	
Terphenyl-d14	1.351	1.483		9.8	
Butylbenzylphthalate	0.449	0.615		37.0	
3,3-Dichlorobenzidine	0.301	0.406		34.9	
Benzo (a) anthracene	1.295	1.500		15.8	
Chrysene	1.206	1.354		12.3	
Bis(2-ethylhexyl)phthalate	0.573	0.764		33.3	
Di-n-octyl phthalate	1.057	1.342		27.0	20.0
Benzo (b) fluoranthene	1.211	1.431		18.2	
Benzo (k) fluoranthene	1.109	1.254		13.1	
Benzo (a) pyrene	1.085	1.300		19.8	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.662		19.5	
Dibenzo (a,h) anthracene	1.149	1.354		17.8	
Benzo (g,h,i) perylene	1.141	1.342		17.6	
1,2,4,5-Tetrachlorobenzene	0.559	0.639		14.3	
1,4-Dioxane	0.528	0.613		16.1	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.387		25.2	

All other compounds must meet a minimum RRF of 0.010.