

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RUTW01

Lab Code: CHEM Case No.: Q1216 SAS No.: Q1216 SDG No.: Q1216

Instrument ID: BNA_F Calibration Date/Time: 02/11/2025 10:28

Lab File ID: BF141551.D Init. Calib. Date(s): 02/06/2025 02/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:07 14:14

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.276	1.265		-0.9	
Benzaldehyde	0.857	0.753		-12.1	
Phenol-d6	1.612	1.593		-1.2	
Phenol	1.678	1.648		-1.8	20.0
bis(2-Chloroethyl)ether	1.261	1.246		-1.2	
2-Chlorophenol	1.378	1.375		-0.2	
2-Methylphenol	1.079	1.043		-3.3	
2,2-oxybis(1-Chloropropane)	2.158	2.126		-1.5	
Acetophenone	0.498	0.484		-2.8	
3+4-Methylphenols	1.371	1.332		-2.8	
n-Nitroso-di-n-propylamine	0.964	0.956	0.050	-0.8	
Nitrobenzene-d5	0.383	0.379		-1.0	
Hexachloroethane	0.550	0.547		-0.5	
Nitrobenzene	0.374	0.368		-1.6	
Isophorone	0.611	0.609		-0.3	
2-Nitrophenol	0.186	0.189		1.6	20.0
2,4-Dimethylphenol	0.217	0.221		1.8	
bis(2-Chloroethoxy)methane	0.392	0.398		1.5	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	1.041	1.028		-1.2	
4-Chloroaniline	0.363	0.326		-10.2	
Hexachlorobutadiene	0.192	0.193		0.5	20.0
Caprolactam	0.089	0.091		2.2	
4-Chloro-3-methylphenol	0.325	0.324		-0.3	20.0
2-Methylnaphthalene	0.677	0.671		-0.9	
Hexachlorocyclopentadiene	0.192	0.181	0.050	-5.7	
2,4,6-Trichlorophenol	0.374	0.373		-0.3	20.0
2-Fluorobiphenyl	1.298	1.271		-2.1	
2,4,5-Trichlorophenol	0.405	0.401		-1.0	
1,1-Biphenyl	1.551	1.544		-0.5	
2-Chloronaphthalene	1.147	1.123		-2.1	
2-Nitroaniline	0.385	0.372		-3.4	
Dimethylphthalate	1.358	1.360		0.1	
Acenaphthylene	1.705	1.686		-1.1	
2,6-Dinitrotoluene	0.297	0.295		-0.7	
3-Nitroaniline	0.319	0.310		-2.8	
Acenaphthene	1.147	1.121		-2.3	20.0
2,4-Dinitrophenol	0.176	0.181	0.050	2.8	
4-Nitrophenol	0.237	0.233	0.050	-1.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.653		-1.8	
2,4-Dinitrotoluene	0.395	0.398		0.8	
Diethylphthalate	1.336	1.353		1.3	
4-Chlorophenyl-phenylether	0.626	0.620		-1.0	
Fluorene	1.301	1.291		-0.8	
4-Nitroaniline	0.324	0.324		0.0	
4,6-Dinitro-2-methylphenol	0.139	0.139		0.0	
n-Nitrosodiphenylamine	0.640	0.634		-0.9	20.0
2,4,6-Tribromophenol	0.201	0.201		0.0	
4-Bromophenyl-phenylether	0.224	0.226		0.9	
Hexachlorobenzene	0.230	0.230		0.0	
Atrazine	0.192	0.174		-9.4	
Pentachlorophenol	0.147	0.147		0.0	20.0
Phenanthrene	1.101	1.067		-3.1	
Anthracene	1.107	1.091		-1.4	
Carbazole	0.996	0.961		-3.5	
Di-n-butylphthalate	1.150	1.169		1.7	
Fluoranthene	1.167	1.112		-4.7	20.0
Pyrene	1.703	1.914		12.4	
Terphenyl-d14	1.185	1.330		12.2	
Butylbenzylphthalate	0.590	0.654		10.8	
3,3-Dichlorobenzidine	0.381	0.368		-3.4	
Benzo (a) anthracene	1.329	1.313		-1.2	
Chrysene	1.228	1.216		-1.0	
Bis(2-ethylhexyl)phthalate	0.665	0.741		11.4	
Di-n-octyl phthalate	0.949	1.040		9.6	20.0
Benzo (b) fluoranthene	1.343	1.314		-2.2	
Benzo (k) fluoranthene	1.147	1.062		-7.4	
Benzo (a) pyrene	1.087	1.065		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.357		9.8	
Dibenzo (a,h) anthracene	1.001	1.106		10.5	
Benzo (g,h,i) perylene	1.048	1.156		10.3	
1,2,4,5-Tetrachlorobenzene	0.579	0.575		-0.7	
1,4-Dioxane	0.513	0.499		-2.7	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.348		-0.3	

All other compounds must meet a minimum RRF of 0.010.