

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: BNA_F Calibration Date/Time: 02/14/2025 15:04

Lab File ID: BF141639.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	1.270		-0.5	
Benzaldehyde	0.857	1.091		27.3	
Phenol-d6	1.612	1.568		-2.7	
Phenol	1.678	1.600		-4.6	20.0
bis(2-Chloroethyl)ether	1.261	1.264		0.2	
2-Chlorophenol	1.378	1.373		-0.4	
2-Methylphenol	1.079	1.041		-3.5	
2,2-oxybis(1-Chloropropane)	2.158	2.005		-7.1	
Acetophenone	0.498	0.479		-3.8	
3+4-Methylphenols	1.371	1.303		-5.0	
n-Nitroso-di-n-propylamine	0.964	0.937	0.050	-2.8	
Nitrobenzene-d5	0.383	0.369		-3.7	
Hexachloroethane	0.550	0.542		-1.5	
Nitrobenzene	0.374	0.364		-2.7	
Isophorone	0.611	0.606		-0.8	
2-Nitrophenol	0.186	0.189		1.6	20.0
2,4-Dimethylphenol	0.217	0.215		-0.9	
bis(2-Chloroethoxy)methane	0.392	0.395		0.8	
2,4-Dichlorophenol	0.294	0.292		-0.7	20.0
Naphthalene	1.041	1.025		-1.5	
4-Chloroaniline	0.363	0.331		-8.8	
Hexachlorobutadiene	0.192	0.195		1.6	20.0
Caprolactam	0.089	0.090		1.1	
4-Chloro-3-methylphenol	0.325	0.318		-2.2	20.0
2-Methylnaphthalene	0.677	0.665		-1.8	
Hexachlorocyclopentadiene	0.192	0.160	0.050	-16.7	
2,4,6-Trichlorophenol	0.374	0.366		-2.1	20.0
2-Fluorobiphenyl	1.298	1.237		-4.7	
2,4,5-Trichlorophenol	0.405	0.393		-3.0	
1,1-Biphenyl	1.551	1.504		-3.0	
2-Chloronaphthalene	1.147	1.124		-2.0	
2-Nitroaniline	0.385	0.363		-5.7	
Dimethylphthalate	1.358	1.340		-1.3	
Acenaphthylene	1.705	1.626		-4.6	
2,6-Dinitrotoluene	0.297	0.291		-2.0	
3-Nitroaniline	0.319	0.302		-5.3	
Acenaphthene	1.147	1.084		-5.5	20.0
2,4-Dinitrophenol	0.176	0.163	0.050	-7.4	
4-Nitrophenol	0.237	0.204	0.050	-13.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.683	1.627		-3.3	
2,4-Dinitrotoluene	0.395	0.390		-1.3	
Diethylphthalate	1.336	1.324		-0.9	
4-Chlorophenyl-phenylether	0.626	0.617		-1.4	
Fluorene	1.301	1.252		-3.8	
4-Nitroaniline	0.324	0.260		-19.8	
4,6-Dinitro-2-methylphenol	0.139	0.138		-0.7	
n-Nitrosodiphenylamine	0.640	0.639		-0.2	20.0
2,4,6-Tribromophenol	0.201	0.195		-3.0	
4-Bromophenyl-phenylether	0.224	0.228		1.8	
Hexachlorobenzene	0.230	0.237		3.0	
Atrazine	0.192	0.161		-16.1	
Pentachlorophenol	0.147	0.136		-7.5	20.0
Phenanthrene	1.101	1.083		-1.6	
Anthracene	1.107	1.082		-2.3	
Carbazole	0.996	0.963		-3.3	
Di-n-butylphthalate	1.150	1.186		3.1	
Fluoranthene	1.167	1.129		-3.3	20.0
Pyrene	1.703	1.778		4.4	
Terphenyl-d14	1.185	1.240		4.6	
Butylbenzylphthalate	0.590	0.660		11.9	
3,3-Dichlorobenzidine	0.381	0.335		-12.1	
Benzo (a) anthracene	1.329	1.351		1.7	
Chrysene	1.228	1.209		-1.5	
Bis(2-ethylhexyl)phthalate	0.665	0.799		20.1	
Di-n-octyl phthalate	0.949	1.145		20.7	20.0
Benzo (b) fluoranthene	1.343	1.365		1.6	
Benzo (k) fluoranthene	1.147	1.110		-3.2	
Benzo (a) pyrene	1.087	1.082		-0.5	20.0
Indeno (1,2,3-cd) pyrene	1.236	1.357		9.8	
Dibenzo (a,h) anthracene	1.001	1.107		10.6	
Benzo (g,h,i) perylene	1.048	1.173		11.9	
1,2,4,5-Tetrachlorobenzene	0.579	0.573		-1.0	
1,4-Dioxane	0.513	0.506		-1.4	20.0
2,3,4,6-Tetrachlorophenol	0.349	0.344		-1.4	

All other compounds must meet a minimum RRF of 0.010.