

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1211 SAS No.: Q1211 SDG No.: Q1211

Instrument ID: BNA_F Calibration Date/Time: 01/31/2025 09:22

Lab File ID: BF141319.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:30 17:05

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.303	1.183		-9.2	
Benzaldehyde	0.960	0.896		-6.7	
Phenol-d6	1.657	1.527		-7.8	
Phenol	1.757	1.628		-7.3	20.0
bis(2-Chloroethyl)ether	1.347	1.232		-8.5	
2-Chlorophenol	1.396	1.292		-7.4	
2-Methylphenol	1.135	1.020		-10.1	
2,2-oxybis(1-Chloropropane)	2.342	2.159		-7.8	
Acetophenone	0.475	0.424		-10.7	
3+4-Methylphenols	1.393	1.273		-8.6	
n-Nitroso-di-n-propylamine	0.985	0.876	0.050	-11.1	
Nitrobenzene-d5	0.379	0.350		-7.7	
Hexachloroethane	0.571	0.523		-8.4	
Nitrobenzene	0.393	0.364		-7.4	
Isophorone	0.656	0.608		-7.3	
2-Nitrophenol	0.185	0.177		-4.3	20.0
2,4-Dimethylphenol	0.236	0.221		-6.4	
bis(2-Chloroethoxy)methane	0.418	0.386		-7.7	
2,4-Dichlorophenol	0.289	0.266		-8.0	20.0
Naphthalene	1.057	0.961		-9.1	
4-Chloroaniline	0.358	0.328		-8.4	
Hexachlorobutadiene	0.194	0.178		-8.2	20.0
Caprolactam	0.094	0.089		-5.3	
4-Chloro-3-methylphenol	0.310	0.288		-7.1	20.0
2-Methylnaphthalene	0.672	0.609		-9.4	
Hexachlorocyclopentadiene	0.168	0.166	0.050	-1.2	
2,4,6-Trichlorophenol	0.372	0.349		-6.2	20.0
2-Fluorobiphenyl	1.299	1.133		-12.8	
2,4,5-Trichlorophenol	0.405	0.372		-8.1	
1,1-Biphenyl	1.560	1.404		-10.0	
2-Chloronaphthalene	1.216	1.090		-10.4	
2-Nitroaniline	0.382	0.366		-4.2	
Dimethylphthalate	1.351	1.236		-8.5	
Acenaphthylene	1.702	1.534		-9.9	
2,6-Dinitrotoluene	0.314	0.294		-6.4	
3-Nitroaniline	0.307	0.294		-4.2	
Acenaphthene	1.216	1.118		-8.1	20.0
2,4-Dinitrophenol	0.146	0.150	0.050	2.7	
4-Nitrophenol	0.225	0.224	0.050	-0.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.627	1.479		-9.1	
2,4-Dinitrotoluene	0.406	0.387		-4.7	
Diethylphthalate	1.310	1.219		-6.9	
4-Chlorophenyl-phenylether	0.617	0.557		-9.7	
Fluorene	1.262	1.132		-10.3	
4-Nitroaniline	0.302	0.290		-4.0	
4,6-Dinitro-2-methylphenol	0.118	0.127		7.6	
n-Nitrosodiphenylamine	0.647	0.604		-6.6	20.0
2,4,6-Tribromophenol	0.183	0.174		-4.9	
4-Bromophenyl-phenylether	0.224	0.211		-5.8	
Hexachlorobenzene	0.238	0.223		-6.3	
Atrazine	0.216	0.191		-11.6	
Pentachlorophenol	0.139	0.147		5.8	20.0
Phenanthrene	1.075	1.004		-6.6	
Anthracene	1.053	0.995		-5.5	
Carbazole	0.934	0.888		-4.9	
Di-n-butylphthalate	1.132	1.107		-2.2	
Fluoranthene	1.062	1.043		-1.8	20.0
Pyrene	1.920	1.696		-11.7	
Terphenyl-d14	1.297	1.140		-12.1	
Butylbenzylphthalate	0.671	0.651		-3.0	
3,3-Dichlorobenzidine	0.439	0.391		-10.9	
Benzo (a) anthracene	1.380	1.169		-15.3	
Chrysene	1.265	1.156		-8.6	
Bis(2-ethylhexyl)phthalate	0.851	0.825		-3.1	
Di-n-octyl phthalate	1.321	1.276		-3.4	20.0
Benzo (b) fluoranthene	1.258	1.159		-7.9	
Benzo (k) fluoranthene	1.114	1.106		-0.7	
Benzo (a) pyrene	1.063	1.002		-5.7	20.0
Indeno (1,2,3-cd) pyrene	1.291	1.233		-4.5	
Dibenzo (a,h) anthracene	1.039	0.988		-4.9	
Benzo (g,h,i) perylene	1.080	1.035		-4.2	
1,2,4,5-Tetrachlorobenzene	0.569	0.519		-8.8	
1,4-Dioxane	0.573	0.525		-8.4	20.0
2,3,4,6-Tetrachlorophenol	0.319	0.309		-3.1	

All other compounds must meet a minimum RRF of 0.010.