

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1109 SAS No.: Q1109 SDG No.: Q1109

Instrument ID: BNA_F Calibration Date/Time: 01/20/2025 10:37

Lab File ID: BF141212.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.234		-4.7	
Benzaldehyde	0.966	1.104		14.3	
Phenol-d6	1.640	1.572		-4.1	
Phenol	1.756	1.659		-5.5	20.0
bis(2-Chloroethyl)ether	1.308	1.256		-4.0	
2-Chlorophenol	1.389	1.356		-2.4	
2-Methylphenol	1.121	1.090		-2.8	
2,2-oxybis(1-Chloropropane)	1.826	1.644		-10.0	
Acetophenone	0.475	0.460		-3.2	
3+4-Methylphenols	1.415	1.363		-3.7	
n-Nitroso-di-n-propylamine	0.966	0.910	0.050	-5.8	
Nitrobenzene-d5	0.377	0.372		-1.3	
Hexachloroethane	0.565	0.552		-2.3	
Nitrobenzene	0.393	0.384		-2.3	
Isophorone	0.645	0.635		-1.5	
2-Nitrophenol	0.179	0.188		5.0	20.0
2,4-Dimethylphenol	0.241	0.238		-1.2	
bis(2-Chloroethoxy)methane	0.405	0.395		-2.5	
2,4-Dichlorophenol	0.287	0.291		1.4	20.0
Naphthalene	1.055	1.037		-1.7	
4-Chloroaniline	0.365	0.318		-12.9	
Hexachlorobutadiene	0.197	0.198		0.5	20.0
Caprolactam	0.094	0.094		0.0	
4-Chloro-3-methylphenol	0.313	0.319		1.9	20.0
2-Methylnaphthalene	0.672	0.666		-0.9	
Hexachlorocyclopentadiene	0.188	0.196	0.050	4.3	
2,4,6-Trichlorophenol	0.387	0.400		3.4	20.0
2-Fluorobiphenyl	1.310	1.265		-3.4	
2,4,5-Trichlorophenol	0.409	0.408		-0.2	
1,1-Biphenyl	1.553	1.513		-2.6	
2-Chloronaphthalene	1.210	1.184		-2.1	
2-Nitroaniline	0.359	0.356		-0.8	
Dimethylphthalate	1.343	1.332		-0.8	
Acenaphthylene	1.728	1.693		-2.0	
2,6-Dinitrotoluene	0.312	0.314		0.6	
3-Nitroaniline	0.317	0.321		1.3	
Acenaphthene	1.208	1.205		-0.2	20.0
2,4-Dinitrophenol	0.148	0.172	0.050	16.2	
4-Nitrophenol	0.248	0.262	0.050	5.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.608		-2.1	
2,4-Dinitrotoluene	0.402	0.422		5.0	
Diethylphthalate	1.311	1.307		-0.3	
4-Chlorophenyl-phenylether	0.622	0.621		-0.2	
Fluorene	1.276	1.259		-1.3	
4-Nitroaniline	0.311	0.329		5.8	
4,6-Dinitro-2-methylphenol	0.116	0.140		20.7	
n-Nitrosodiphenylamine	0.645	0.637		-1.2	20.0
2,4,6-Tribromophenol	0.228	0.244		7.0	
4-Bromophenyl-phenylether	0.230	0.236		2.6	
Hexachlorobenzene	0.256	0.269		5.1	
Atrazine	0.174	0.199		14.4	
Pentachlorophenol	0.164	0.177		7.9	20.0
Phenanthrene	1.074	1.075		0.1	
Anthracene	1.044	1.064		1.9	
Carbazole	0.957	0.988		3.2	
Di-n-butylphthalate	1.096	1.156		5.5	
Fluoranthene	1.071	1.155		7.8	20.0
Pyrene	1.910	1.736		-9.1	
Terphenyl-d14	1.346	1.246		-7.4	
Butylbenzylphthalate	0.637	0.661		3.8	
3,3-Dichlorobenzidine	0.433	0.378		-12.7	
Benzo (a) anthracene	1.361	1.303		-4.3	
Chrysene	1.274	1.166		-8.5	
Bis(2-ethylhexyl)phthalate	0.764	0.793		3.8	
Di-n-octyl phthalate	1.154	1.147		-0.6	20.0
Benzo (b) fluoranthene	1.290	1.336		3.6	
Benzo (k) fluoranthene	1.090	1.084		-0.6	
Benzo (a) pyrene	1.064	1.069		0.5	20.0
Indeno (1,2,3-cd) pyrene	1.465	1.369		-6.6	
Dibenzo (a,h) anthracene	1.185	1.117		-5.7	
Benzo (g,h,i) perylene	1.233	1.134		-8.0	
1,2,4,5-Tetrachlorobenzene	0.574	0.569		-0.9	
1,4-Dioxane	0.577	0.544		-5.7	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.349		2.6	

All other compounds must meet a minimum RRF of 0.010.