

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 16:58
Lab File ID: BF141226.D Init. Calib. Date(s): 01/10/2025 01/10/2025
EPA Sample No.: SSTDCCC040EC 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	1.230		-5.0	50.0
Benzaldehyde	0.966	1.176		21.7	50.0
Phenol-d6	1.640	1.569		-4.3	50.0
Phenol	1.756	1.658		-5.6	50.0
bis(2-Chloroethyl)ether	1.308	1.274		-2.6	50.0
2-Chlorophenol	1.389	1.351		-2.7	50.0
2-Methylphenol	1.121	1.085		-3.2	50.0
2,2-oxybis(1-Chloropropane)	1.826	1.656		-9.3	50.0
Acetophenone	0.475	0.458		-3.6	50.0
3+4-Methylphenols	1.415	1.331		-5.9	50.0
n-Nitroso-di-n-propylamine	0.966	0.912	0.050	-5.6	50.0
Nitrobenzene-d5	0.377	0.373		-1.1	50.0
Hexachloroethane	0.565	0.564		-0.2	50.0
Nitrobenzene	0.393	0.384		-2.3	50.0
Isophorone	0.645	0.633		-1.9	50.0
2-Nitrophenol	0.179	0.191		6.7	50.0
2,4-Dimethylphenol	0.241	0.235		-2.5	50.0
bis(2-Chloroethoxy)methane	0.405	0.405		0.0	50.0
2,4-Dichlorophenol	0.287	0.296		3.1	50.0
Naphthalene	1.055	1.038		-1.6	50.0
4-Chloroaniline	0.365	0.310		-15.1	50.0
Hexachlorobutadiene	0.197	0.203		3.0	50.0
Caprolactam	0.094	0.092		-2.1	50.0
4-Chloro-3-methylphenol	0.313	0.312		-0.3	50.0
2-Methylnaphthalene	0.672	0.666		-0.9	50.0
Hexachlorocyclopentadiene	0.188	0.194	0.050	3.2	50.0
2,4,6-Trichlorophenol	0.387	0.389		0.5	50.0
2-Fluorobiphenyl	1.310	1.257		-4.0	50.0
2,4,5-Trichlorophenol	0.409	0.411		0.5	50.0
1,1-Biphenyl	1.553	1.493		-3.9	50.0
2-Chloronaphthalene	1.210	1.166		-3.6	50.0
2-Nitroaniline	0.359	0.344		-4.2	50.0
Dimethylphthalate	1.343	1.304		-2.9	50.0
Acenaphthylene	1.728	1.651		-4.5	50.0
2,6-Dinitrotoluene	0.312	0.311		-0.3	50.0
3-Nitroaniline	0.317	0.298		-6.0	50.0
Acenaphthene	1.208	1.177		-2.6	50.0
2,4-Dinitrophenol	0.148	0.167	0.050	12.8	50.0
4-Nitrophenol	0.248	0.231	0.050	-6.9	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.570		-4.4	50.0
2,4-Dinitrotoluene	0.402	0.407		1.2	50.0
Diethylphthalate	1.311	1.270		-3.1	50.0
4-Chlorophenyl-phenylether	0.622	0.618		-0.6	50.0
Fluorene	1.276	1.219		-4.5	50.0
4-Nitroaniline	0.311	0.293		-5.8	50.0
4,6-Dinitro-2-methylphenol	0.116	0.141		21.6	50.0
n-Nitrosodiphenylamine	0.645	0.658		2.0	50.0
2,4,6-Tribromophenol	0.228	0.235		3.1	50.0
4-Bromophenyl-phenylether	0.230	0.244		6.1	50.0
Hexachlorobenzene	0.256	0.274		7.0	50.0
Atrazine	0.174	0.198		13.8	50.0
Pentachlorophenol	0.164	0.176		7.3	50.0
Phenanthrene	1.074	1.078		0.4	50.0
Anthracene	1.044	1.048		0.4	50.0
Carbazole	0.957	0.937		-2.1	50.0
Di-n-butylphthalate	1.096	1.144		4.4	50.0
Fluoranthene	1.071	1.059		-1.1	50.0
Pyrene	1.910	1.911		0.1	50.0
Terphenyl-d14	1.346	1.362		1.2	50.0
Butylbenzylphthalate	0.637	0.666		4.6	50.0
3,3-Dichlorobenzidine	0.433	0.428		-1.2	50.0
Benzo (a) anthracene	1.361	1.289		-5.3	50.0
Chrysene	1.274	1.233		-3.2	50.0
Bis(2-ethylhexyl)phthalate	0.764	0.785		2.7	50.0
Di-n-octyl phthalate	1.154	1.216		5.4	50.0
Benzo (b) fluoranthene	1.290	1.184		-8.2	50.0
Benzo (k) fluoranthene	1.090	1.058		-2.9	50.0
Benzo (a) pyrene	1.064	1.040		-2.3	50.0
Indeno (1,2,3-cd) pyrene	1.465	1.455		-0.7	50.0
Dibenzo (a,h) anthracene	1.185	1.189		0.3	50.0
Benzo (g,h,i) perylene	1.233	1.230		-0.2	50.0
1,2,4,5-Tetrachlorobenzene	0.574	0.565		-1.6	50.0
1,4-Dioxane	0.577	0.525		-9.0	50.0
2,3,4,6-Tetrachlorophenol	0.340	0.331		-2.6	50.0

All other compounds must meet a minimum RRF of 0.010.