

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WEST04

Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539

Instrument ID: BNA_F Calibration Date/Time: 03/13/2025 12:17

Lab File ID: BF141939.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.154		-3.7	
Benzaldehyde	0.853	0.751		-12.0	
Phenol-d6	1.526	1.446		-5.2	
Phenol	1.605	1.528		-4.8	20.0
bis(2-Chloroethyl)ether	1.205	1.127		-6.5	
2-Chlorophenol	1.329	1.276		-4.0	
2-Methylphenol	1.057	0.994		-6.0	
2,2-oxybis(1-Chloropropane)	1.455	1.285		-11.7	
Acetophenone	0.479	0.459		-4.2	
3+4-Methylphenols	1.354	1.268		-6.4	
n-Nitroso-di-n-propylamine	0.980	0.878	0.050	-10.4	
Nitrobenzene-d5	0.355	0.344		-3.1	
Hexachloroethane	0.544	0.518		-4.8	
Nitrobenzene	0.353	0.341		-3.4	
Isophorone	0.628	0.580		-7.6	
2-Nitrophenol	0.173	0.171		-1.2	20.0
2,4-Dimethylphenol	0.239	0.230		-3.8	
bis(2-Chloroethoxy)methane	0.394	0.365		-7.4	
2,4-Dichlorophenol	0.296	0.284		-4.1	20.0
Naphthalene	1.027	0.986		-4.0	
4-Chloroaniline	0.363	0.341		-6.1	
Hexachlorobutadiene	0.213	0.208		-2.3	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.331	0.312		-5.7	20.0
2-Methylnaphthalene	0.687	0.653		-4.9	
Hexachlorocyclopentadiene	0.238	0.250	0.050	5.0	
2,4,6-Trichlorophenol	0.398	0.393		-1.3	20.0
2-Fluorobiphenyl	1.315	1.265		-3.8	
2,4,5-Trichlorophenol	0.403	0.393		-2.5	
1,1-Biphenyl	1.520	1.471		-3.2	
2-Chloronaphthalene	1.133	1.108		-2.2	
2-Nitroaniline	0.328	0.320		-2.4	
Dimethylphthalate	1.401	1.334		-4.8	
Acenaphthylene	1.681	1.639		-2.5	
2,6-Dinitrotoluene	0.292	0.285		-2.4	
3-Nitroaniline	0.296	0.285		-3.7	
Acenaphthene	1.181	1.161		-1.7	20.0
2,4-Dinitrophenol	0.139	0.155	0.050	11.5	
4-Nitrophenol	0.223	0.230	0.050	3.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.627		-3.6	
2,4-Dinitrotoluene	0.381	0.373		-2.1	
Diethylphthalate	1.397	1.328		-4.9	
4-Chlorophenyl-phenylether	0.679	0.656		-3.4	
Fluorene	1.302	1.243		-4.5	
4-Nitroaniline	0.288	0.285		-1.0	
4,6-Dinitro-2-methylphenol	0.119	0.125		5.0	
n-Nitrosodiphenylamine	0.647	0.624		-3.6	20.0
2,4,6-Tribromophenol	0.254	0.253		-0.4	
4-Bromophenyl-phenylether	0.251	0.245		-2.4	
Hexachlorobenzene	0.275	0.272		-1.1	
Atrazine	0.198	0.165		-16.7	
Pentachlorophenol	0.170	0.180		5.9	20.0
Phenanthrene	1.080	1.034		-4.3	
Anthracene	1.084	1.037		-4.3	
Carbazole	0.935	0.896		-4.2	
Di-n-butylphthalate	1.240	1.178		-5.0	
Fluoranthene	1.146	1.074		-6.3	20.0
Pyrene	1.730	1.703		-1.6	
Terphenyl-d14	1.353	1.361		0.6	
Butylbenzylphthalate	0.677	0.649		-4.1	
3,3-Dichlorobenzidine	0.379	0.392		3.4	
Benzo (a) anthracene	1.312	1.251		-4.6	
Chrysene	1.190	1.166		-2.0	
Bis(2-ethylhexyl)phthalate	0.934	0.854		-8.6	
Di-n-octyl phthalate	1.299	1.210		-6.9	20.0
Benzo (b) fluoranthene	1.371	1.261		-8.0	
Benzo (k) fluoranthene	1.173	1.092		-6.9	
Benzo (a) pyrene	1.073	1.025		-4.5	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.313		1.5	
Dibenzo (a,h) anthracene	1.067	1.093		2.4	
Benzo (g,h,i) perylene	1.055	1.094		3.7	
1,2,4,5-Tetrachlorobenzene	0.609	0.593		-2.6	
1,4-Dioxane	0.502	0.494		-1.6	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.364		-0.8	

All other compounds must meet a minimum RRF of 0.010.