

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: Q1626 SAS No.: Q1626 SDG No.: Q1626

Instrument ID: BNA_F Calibration Date/Time: 03/24/2025 10:17

Lab File ID: BF142045.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	1.135		-5.3	
Benzaldehyde	0.853	0.810		-5.0	
Phenol-d6	1.526	1.423		-6.8	
Phenol	1.605	1.494		-6.9	20.0
bis(2-Chloroethyl)ether	1.205	1.092		-9.4	
2-Chlorophenol	1.329	1.251		-5.9	
2-Methylphenol	1.057	0.966		-8.6	
2,2-oxybis(1-Chloropropane)	1.455	1.202		-17.4	
Acetophenone	0.479	0.446		-6.9	
3+4-Methylphenols	1.354	1.242		-8.3	
n-Nitroso-di-n-propylamine	0.980	0.824	0.050	-15.9	
Nitrobenzene-d5	0.355	0.342		-3.7	
Hexachloroethane	0.544	0.511		-6.1	
Nitrobenzene	0.353	0.335		-5.1	
Isophorone	0.628	0.567		-9.7	
2-Nitrophenol	0.173	0.177		2.3	20.0
2,4-Dimethylphenol	0.239	0.227		-5.0	
bis(2-Chloroethoxy)methane	0.394	0.359		-8.9	
2,4-Dichlorophenol	0.296	0.291		-1.7	20.0
Naphthalene	1.027	0.984		-4.2	
4-Chloroaniline	0.363	0.340		-6.3	
Hexachlorobutadiene	0.213	0.211		-0.9	20.0
Caprolactam	0.090	0.084		-6.7	
4-Chloro-3-methylphenol	0.331	0.308		-6.9	20.0
2-Methylnaphthalene	0.687	0.652		-5.1	
Hexachlorocyclopentadiene	0.238	0.212	0.050	-10.9	
2,4,6-Trichlorophenol	0.398	0.380		-4.5	20.0
2-Fluorobiphenyl	1.315	1.233		-6.2	
2,4,5-Trichlorophenol	0.403	0.403		0.0	
1,1-Biphenyl	1.520	1.438		-5.4	
2-Chloronaphthalene	1.133	1.086		-4.1	
2-Nitroaniline	0.328	0.305		-7.0	
Dimethylphthalate	1.401	1.309		-6.6	
Acenaphthylene	1.681	1.594		-5.2	
2,6-Dinitrotoluene	0.292	0.286		-2.1	
3-Nitroaniline	0.296	0.274		-7.4	
Acenaphthene	1.181	1.131		-4.2	20.0
2,4-Dinitrophenol	0.139	0.144	0.050	3.6	
4-Nitrophenol	0.223	0.208	0.050	-6.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.591		-5.7	
2,4-Dinitrotoluene	0.381	0.377		-1.0	
Diethylphthalate	1.397	1.301		-6.9	
4-Chlorophenyl-phenylether	0.679	0.633		-6.8	
Fluorene	1.302	1.227		-5.8	
4-Nitroaniline	0.288	0.257		-10.8	
4,6-Dinitro-2-methylphenol	0.119	0.123		3.4	
n-Nitrosodiphenylamine	0.647	0.605		-6.5	20.0
2,4,6-Tribromophenol	0.254	0.254		0.0	
4-Bromophenyl-phenylether	0.251	0.244		-2.8	
Hexachlorobenzene	0.275	0.280		1.8	
Atrazine	0.198	0.204		3.0	
Pentachlorophenol	0.170	0.173		1.8	20.0
Phenanthrene	1.080	1.029		-4.7	
Anthracene	1.084	1.036		-4.4	
Carbazole	0.935	0.844		-9.7	
Di-n-butylphthalate	1.240	1.110		-10.5	
Fluoranthene	1.146	1.005		-12.3	20.0
Pyrene	1.730	1.806		4.4	
Terphenyl-d14	1.353	1.374		1.6	
Butylbenzylphthalate	0.677	0.642		-5.2	
3,3-Dichlorobenzidine	0.379	0.374		-1.3	
Benzo (a) anthracene	1.312	1.258		-4.1	
Chrysene	1.190	1.133		-4.8	
Bis(2-ethylhexyl)phthalate	0.934	0.836		-10.5	
Di-n-octyl phthalate	1.299	1.256		-3.3	20.0
Benzo (b) fluoranthene	1.371	1.316		-4.0	
Benzo (k) fluoranthene	1.173	1.014		-13.6	
Benzo (a) pyrene	1.073	1.021		-4.8	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.123		-13.2	
Dibenzo (a,h) anthracene	1.067	0.902		-15.5	
Benzo (g,h,i) perylene	1.055	0.907		-14.0	
1,2,4,5-Tetrachlorobenzene	0.609	0.593		-2.6	
1,4-Dioxane	0.502	0.471		-6.2	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.361		-1.6	

All other compounds must meet a minimum RRF of 0.010.