

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: 03/25/2025 10:09

Lab File ID: BF142068.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	1.114		-7.0	
Benzaldehyde	0.853	0.796		-6.7	
Phenol-d6	1.526	1.410		-7.6	
Phenol	1.605	1.469		-8.5	20.0
bis(2-Chloroethyl)ether	1.205	1.073		-11.0	
2-Chlorophenol	1.329	1.259		-5.3	
2-Methylphenol	1.057	0.968		-8.4	
2,2-oxybis(1-Chloropropane)	1.455	1.218		-16.3	
Acetophenone	0.479	0.458		-4.4	
3+4-Methylphenols	1.354	1.221		-9.8	
n-Nitroso-di-n-propylamine	0.980	0.829	0.050	-15.4	
Nitrobenzene-d5	0.355	0.354		-0.3	
Hexachloroethane	0.544	0.512		-5.9	
Nitrobenzene	0.353	0.340		-3.7	
Isophorone	0.628	0.562		-10.5	
2-Nitrophenol	0.173	0.183		5.8	20.0
2,4-Dimethylphenol	0.239	0.221		-7.5	
bis(2-Chloroethoxy)methane	0.394	0.357		-9.4	
2,4-Dichlorophenol	0.296	0.293		-1.0	20.0
Naphthalene	1.027	0.989		-3.7	
4-Chloroaniline	0.363	0.352		-3.0	
Hexachlorobutadiene	0.213	0.215		0.9	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.331	0.313		-5.4	20.0
2-Methylnaphthalene	0.687	0.645		-6.1	
Hexachlorocyclopentadiene	0.238	0.202	0.050	-15.1	
2,4,6-Trichlorophenol	0.398	0.377		-5.3	20.0
2-Fluorobiphenyl	1.315	1.251		-4.9	
2,4,5-Trichlorophenol	0.403	0.413		2.5	
1,1-Biphenyl	1.520	1.429		-6.0	
2-Chloronaphthalene	1.133	1.072		-5.4	
2-Nitroaniline	0.328	0.311		-5.2	
Dimethylphthalate	1.401	1.351		-3.6	
Acenaphthylene	1.681	1.621		-3.6	
2,6-Dinitrotoluene	0.292	0.294		0.7	
3-Nitroaniline	0.296	0.280		-5.4	
Acenaphthene	1.181	1.158		-1.9	20.0
2,4-Dinitrophenol	0.139	0.163	0.050	17.3	
4-Nitrophenol	0.223	0.217	0.050	-2.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.598		-5.3	
2,4-Dinitrotoluene	0.381	0.386		1.3	
Diethylphthalate	1.397	1.339		-4.2	
4-Chlorophenyl-phenylether	0.679	0.658		-3.1	
Fluorene	1.302	1.253		-3.8	
4-Nitroaniline	0.288	0.271		-5.9	
4,6-Dinitro-2-methylphenol	0.119	0.141		18.5	
n-Nitrosodiphenylamine	0.647	0.639		-1.2	20.0
2,4,6-Tribromophenol	0.254	0.262		3.2	
4-Bromophenyl-phenylether	0.251	0.245		-2.4	
Hexachlorobenzene	0.275	0.279		1.5	
Atrazine	0.198	0.202		2.0	
Pentachlorophenol	0.170	0.174		2.4	20.0
Phenanthrene	1.080	1.027		-4.9	
Anthracene	1.084	1.033		-4.7	
Carbazole	0.935	0.850		-9.1	
Di-n-butylphthalate	1.240	1.177		-5.1	
Fluoranthene	1.146	1.022		-10.8	20.0
Pyrene	1.730	1.878		8.6	
Terphenyl-d14	1.353	1.473		8.9	
Butylbenzylphthalate	0.677	0.684		1.0	
3,3-Dichlorobenzidine	0.379	0.376		-0.8	
Benzo (a) anthracene	1.312	1.276		-2.7	
Chrysene	1.190	1.130		-5.0	
Bis(2-ethylhexyl)phthalate	0.934	0.885		-5.2	
Di-n-octyl phthalate	1.299	1.257		-3.2	20.0
Benzo (b) fluoranthene	1.371	1.263		-7.9	
Benzo (k) fluoranthene	1.173	0.993		-15.3	
Benzo (a) pyrene	1.073	0.998		-7.0	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.090		-15.8	
Dibenzo (a,h) anthracene	1.067	0.858		-19.6	
Benzo (g,h,i) perylene	1.055	0.857		-18.8	
1,2,4,5-Tetrachlorobenzene	0.609	0.584		-4.1	
1,4-Dioxane	0.502	0.460		-8.4	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.370		0.8	

All other compounds must meet a minimum RRF of 0.010.