

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROYF02

Lab Code: CHEM Case No.: Q1664 SAS No.: Q1664 SDG No.: Q1664

Instrument ID: BNA_F Calibration Date/Time: 03/31/2025 12:22

Lab File ID: BF142175.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	1.172		-2.2	
Benzaldehyde	0.853	1.304		52.9	
Phenol-d6	1.526	1.475		-3.3	
Phenol	1.605	1.534		-4.4	20.0
bis(2-Chloroethyl)ether	1.205	1.122		-6.9	
2-Chlorophenol	1.329	1.310		-1.4	
2-Methylphenol	1.057	1.002		-5.2	
2,2-oxybis(1-Chloropropane)	1.455	1.178		-19.0	
Acetophenone	0.479	0.461		-3.8	
3+4-Methylphenols	1.354	1.250		-7.7	
n-Nitroso-di-n-propylamine	0.980	0.859	0.050	-12.3	
Nitrobenzene-d5	0.355	0.349		-1.7	
Hexachloroethane	0.544	0.523		-3.9	
Nitrobenzene	0.353	0.346		-2.0	
Isophorone	0.628	0.587		-6.5	
2-Nitrophenol	0.173	0.185		6.9	20.0
2,4-Dimethylphenol	0.239	0.232		-2.9	
bis(2-Chloroethoxy)methane	0.394	0.369		-6.3	
2,4-Dichlorophenol	0.296	0.302		2.0	20.0
Naphthalene	1.027	1.014		-1.3	
4-Chloroaniline	0.363	0.356		-1.9	
Hexachlorobutadiene	0.213	0.219		2.8	20.0
Caprolactam	0.090	0.092		2.2	
4-Chloro-3-methylphenol	0.331	0.328		-0.9	20.0
2-Methylnaphthalene	0.687	0.685		-0.3	
Hexachlorocyclopentadiene	0.238	0.195	0.050	-18.1	
2,4,6-Trichlorophenol	0.398	0.350		-12.1	20.0
2-Fluorobiphenyl	1.315	1.168		-11.2	
2,4,5-Trichlorophenol	0.403	0.385		-4.5	
1,1-Biphenyl	1.520	1.345		-11.5	
2-Chloronaphthalene	1.133	1.030		-9.1	
2-Nitroaniline	0.328	0.292		-11.0	
Dimethylphthalate	1.401	1.284		-8.4	
Acenaphthylene	1.681	1.551		-7.7	
2,6-Dinitrotoluene	0.292	0.278		-4.8	
3-Nitroaniline	0.296	0.300		1.4	
Acenaphthene	1.181	1.188		0.6	20.0
2,4-Dinitrophenol	0.139	0.166	0.050	19.4	
4-Nitrophenol	0.223	0.245	0.050	9.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.599		-5.3	
2,4-Dinitrotoluene	0.381	0.392		2.9	
Diethylphthalate	1.397	1.338		-4.2	
4-Chlorophenyl-phenylether	0.679	0.676		-0.4	
Fluorene	1.302	1.272		-2.3	
4-Nitroaniline	0.288	0.301		4.5	
4,6-Dinitro-2-methylphenol	0.119	0.133		11.8	
n-Nitrosodiphenylamine	0.647	0.629		-2.8	20.0
2,4,6-Tribromophenol	0.254	0.277		9.1	
4-Bromophenyl-phenylether	0.251	0.257		2.4	
Hexachlorobenzene	0.275	0.289		5.1	
Atrazine	0.198	0.192		-3.0	
Pentachlorophenol	0.170	0.180		5.9	20.0
Phenanthrene	1.080	1.070		-0.9	
Anthracene	1.084	1.035		-4.5	
Carbazole	0.935	0.936		0.1	
Di-n-butylphthalate	1.240	1.212		-2.3	
Fluoranthene	1.146	1.032		-9.9	20.0
Pyrene	1.730	1.698		-1.9	
Terphenyl-d14	1.353	1.360		0.5	
Butylbenzylphthalate	0.677	0.687		1.5	
3,3-Dichlorobenzidine	0.379	0.390		2.9	
Benzo (a) anthracene	1.312	1.311		-0.1	
Chrysene	1.190	1.200		0.8	
Bis(2-ethylhexyl)phthalate	0.934	0.887		-5.0	
Di-n-octyl phthalate	1.299	1.375		5.9	20.0
Benzo (b) fluoranthene	1.371	1.239		-9.6	
Benzo (k) fluoranthene	1.173	1.187		1.2	
Benzo (a) pyrene	1.073	1.067		-0.6	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.221		-5.6	
Dibenzo (a,h) anthracene	1.067	0.995		-6.7	
Benzo (g,h,i) perylene	1.055	0.993		-5.9	
1,2,4,5-Tetrachlorobenzene	0.609	0.557		-8.5	
1,4-Dioxane	0.502	0.493		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.378		3.0	

All other compounds must meet a minimum RRF of 0.010.