

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.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	0.793		-7.0	
Phenol-d6	1.526	1.442		-5.5	
Phenol	1.605	1.529		-4.7	20.0
bis(2-Chloroethyl)ether	1.205	1.137		-5.6	
2-Chlorophenol	1.329	1.273		-4.2	
2-Methylphenol	1.057	1.011		-4.4	
2,2-oxybis(1-Chloropropane)	1.455	1.336		-8.2	
Acetophenone	0.479	0.454		-5.2	
3+4-Methylphenols	1.354	1.288		-4.9	
n-Nitroso-di-n-propylamine	0.980	0.910	0.050	-7.1	
Nitrobenzene-d5	0.355	0.347		-2.3	
Hexachloroethane	0.544	0.529		-2.8	
Nitrobenzene	0.353	0.343		-2.8	
Isophorone	0.628	0.601		-4.3	
2-Nitrophenol	0.173	0.178		2.9	20.0
2,4-Dimethylphenol	0.239	0.233		-2.5	
bis(2-Chloroethoxy)methane	0.394	0.375		-4.8	
2,4-Dichlorophenol	0.296	0.287		-3.0	20.0
Naphthalene	1.027	0.978		-4.8	
4-Chloroaniline	0.363	0.349		-3.9	
Hexachlorobutadiene	0.213	0.209		-1.9	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.331	0.318		-3.9	20.0
2-Methylnaphthalene	0.687	0.664		-3.3	
Hexachlorocyclopentadiene	0.238	0.241	0.050	1.3	
2,4,6-Trichlorophenol	0.398	0.399		0.3	20.0
2-Fluorobiphenyl	1.315	1.239		-5.8	
2,4,5-Trichlorophenol	0.403	0.389		-3.5	
1,1-Biphenyl	1.520	1.464		-3.7	
2-Chloronaphthalene	1.133	1.095		-3.4	
2-Nitroaniline	0.328	0.321		-2.1	
Dimethylphthalate	1.401	1.340		-4.4	
Acenaphthylene	1.681	1.623		-3.5	
2,6-Dinitrotoluene	0.292	0.292		0.0	
3-Nitroaniline	0.296	0.289		-2.4	
Acenaphthene	1.181	1.139		-3.6	20.0
2,4-Dinitrophenol	0.139	0.143	0.050	2.9	
4-Nitrophenol	0.223	0.221	0.050	-0.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.616		-4.3	
2,4-Dinitrotoluene	0.381	0.381		0.0	
Diethylphthalate	1.397	1.338		-4.2	
4-Chlorophenyl-phenylether	0.679	0.657		-3.2	
Fluorene	1.302	1.239		-4.8	
4-Nitroaniline	0.288	0.280		-2.8	
4,6-Dinitro-2-methylphenol	0.119	0.119		0.0	
n-Nitrosodiphenylamine	0.647	0.619		-4.3	20.0
2,4,6-Tribromophenol	0.254	0.255		0.4	
4-Bromophenyl-phenylether	0.251	0.245		-2.4	
Hexachlorobenzene	0.275	0.273		-0.7	
Atrazine	0.198	0.183		-7.6	
Pentachlorophenol	0.170	0.172		1.2	20.0
Phenanthrene	1.080	1.027		-4.9	
Anthracene	1.084	1.031		-4.9	
Carbazole	0.935	0.884		-5.5	
Di-n-butylphthalate	1.240	1.176		-5.2	
Fluoranthene	1.146	1.067		-6.9	20.0
Pyrene	1.730	1.662		-3.9	
Terphenyl-d14	1.353	1.336		-1.3	
Butylbenzylphthalate	0.677	0.669		-1.2	
3,3-Dichlorobenzidine	0.379	0.366		-3.4	
Benzo (a) anthracene	1.312	1.219		-7.1	
Chrysene	1.190	1.169		-1.8	
Bis(2-ethylhexyl)phthalate	0.934	0.921		-1.4	
Di-n-octyl phthalate	1.299	1.308		0.7	20.0
Benzo (b) fluoranthene	1.371	1.224		-10.7	
Benzo (k) fluoranthene	1.173	1.141		-2.7	
Benzo (a) pyrene	1.073	1.020		-4.9	20.0
Indeno (1,2,3-cd) pyrene	1.294	1.240		-4.2	
Dibenzo (a,h) anthracene	1.067	1.021		-4.3	
Benzo (g,h,i) perylene	1.055	1.000		-5.2	
1,2,4,5-Tetrachlorobenzene	0.609	0.593		-2.6	
1,4-Dioxane	0.502	0.488		-2.8	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.366		-0.3	

All other compounds must meet a minimum RRF of 0.010.