

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: BNA_G Calibration Date/Time: 02/05/2025 10:26

Lab File ID: BG063996.D Init. Calib. Date(s): 02/03/2025 02/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:18 15:42

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.247	1.288		3.3	
Benzaldehyde	0.935	0.940		0.5	
Phenol-d6	1.712	1.749		2.2	
Phenol	1.802	1.802		0.0	20.0
bis(2-Chloroethyl)ether	1.451	1.404		-3.2	
2-Chlorophenol	1.271	1.309		3.0	
2-Methylphenol	1.165	1.155		-0.9	
2,2-oxybis(1-Chloropropane)	2.922	2.847		-2.6	
Acetophenone	0.550	0.538		-2.2	
3+4-Methylphenols	1.553	1.568		1.0	
n-Nitroso-di-n-propylamine	1.185	1.194	0.050	0.8	
Nitrobenzene-d5	0.329	0.372		13.1	
Hexachloroethane	0.503	0.525		4.4	
Nitrobenzene	0.330	0.379		14.8	
Isophorone	0.713	0.708		-0.7	
2-Nitrophenol	0.069	0.100		44.9	20.0
2,4-Dimethylphenol	0.205	0.217		5.9	
bis(2-Chloroethoxy)methane	0.454	0.453		-0.2	
2,4-Dichlorophenol	0.249	0.281		12.9	20.0
Naphthalene	1.072	1.054		-1.7	
4-Chloroaniline	0.411	0.406		-1.2	
Hexachlorobutadiene	0.215	0.214		-0.5	20.0
Caprolactam	0.095	0.098		3.2	
4-Chloro-3-methylphenol	0.328	0.341		4.0	20.0
2-Methylnaphthalene	0.747	0.732		-2.0	
Hexachlorocyclopentadiene	0.149	0.176	0.050	18.1	
2,4,6-Trichlorophenol	0.288	0.342		18.8	20.0
2-Fluorobiphenyl	1.305	1.295		-0.8	
2,4,5-Trichlorophenol	0.333	0.385		15.6	
1,1-Biphenyl	1.523	1.479		-2.9	
2-Chloronaphthalene	1.110	1.086		-2.2	
2-Nitroaniline	0.249	0.330		32.5	
Dimethylphthalate	1.326	1.397		5.4	
Acenaphthylene	1.724	1.703		-1.2	
2,6-Dinitrotoluene	0.208	0.267		28.4	
3-Nitroaniline	0.238	0.297		24.8	
Acenaphthene	1.156	1.159		0.3	20.0
2,4-Dinitrophenol	0.057	0.068	0.050	19.3	
4-Nitrophenol	0.203	0.235	0.050	15.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.878	1.836		-2.2	
2,4-Dinitrotoluene	0.268	0.355		32.5	
Diethylphthalate	1.406	1.470		4.6	
4-Chlorophenyl-phenylether	0.728	0.716		-1.6	
Fluorene	1.451	1.434		-1.2	
4-Nitroaniline	0.267	0.322		20.6	
4,6-Dinitro-2-methylphenol	0.046	0.057		23.9	
n-Nitrosodiphenylamine	0.555	0.558		0.5	20.0
2,4,6-Tribromophenol	0.192	0.221		15.1	
4-Bromophenyl-phenylether	0.199	0.205		3.0	
Hexachlorobenzene	0.234	0.232		-0.9	
Atrazine	0.185	0.190		2.7	
Pentachlorophenol	0.120	0.136		13.3	20.0
Phenanthrene	1.050	1.035		-1.4	
Anthracene	1.051	1.032		-1.8	
Carbazole	0.984	0.991		0.7	
Di-n-butylphthalate	1.026	1.148		11.9	
Fluoranthene	1.279	1.268		-0.9	20.0
Pyrene	1.235	1.241		0.5	
Terphenyl-d14	0.958	0.946		-1.3	
Butylbenzylphthalate	0.346	0.418		20.8	
3,3-Dichlorobenzidine	0.395	0.434		9.9	
Benzo (a) anthracene	1.270	1.265		-0.4	
Chrysene	1.264	1.244		-1.6	
Bis(2-ethylhexyl)phthalate	0.575	0.675		17.4	
Di-n-octyl phthalate	1.001	1.101		10.0	20.0
Benzo (b) fluoranthene	1.178	1.188		0.8	
Benzo (k) fluoranthene	1.209	1.219		0.8	
Benzo (a) pyrene	1.051	1.062		1.0	20.0
Indeno (1,2,3-cd) pyrene	1.290	1.316		2.0	
Dibenzo (a,h) anthracene	1.089	1.096		0.6	
Benzo (g,h,i) perylene	1.100	1.113		1.2	
1,2,4,5-Tetrachlorobenzene	0.590	0.580		-1.7	
1,4-Dioxane	0.592	0.547		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.376		21.7	

All other compounds must meet a minimum RRF of 0.010.