

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG No.: P4663

Instrument ID: BNA_E Calibration Date/Time: 11/04/2024 12:49

Lab File ID: BE101453.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.142		0.1	
Benzaldehyde	0.764	0.860		12.6	
Phenol-d6	1.582	1.573		-0.6	
Phenol	1.717	1.726		0.5	20.0
bis(2-Chloroethyl)ether	1.408	1.331		-5.5	
2-Chlorophenol	1.369	1.336		-2.4	
2-Methylphenol	1.162	1.141		-1.8	
2,2-oxybis(1-Chloropropane)	1.772	1.654		-6.7	
Acetophenone	0.454	0.449		-1.1	
3+4-Methylphenols	1.604	1.572		-2.0	
n-Nitroso-di-n-propylamine	1.050	1.065	0.050	1.4	
Nitrobenzene-d5	0.318	0.321		0.9	
Hexachloroethane	0.492	0.496		0.8	
Nitrobenzene	0.339	0.336		-0.9	
Isophorone	0.621	0.634		2.1	
2-Nitrophenol	0.164	0.179		9.1	20.0
2,4-Dimethylphenol	0.206	0.206		0.0	
bis(2-Chloroethoxy)methane	0.377	0.376		-0.3	
2,4-Dichlorophenol	0.285	0.289		1.4	20.0
Naphthalene	1.019	0.990		-2.8	
4-Chloroaniline	0.354	0.367		3.7	
Hexachlorobutadiene	0.184	0.188		2.2	20.0
Caprolactam	0.109	0.110		0.9	
4-Chloro-3-methylphenol	0.325	0.320		-1.5	20.0
2-Methylnaphthalene	0.734	0.708		-3.5	
Hexachlorocyclopentadiene	0.166	0.176	0.050	6.0	
2,4,6-Trichlorophenol	0.346	0.363		4.9	20.0
2-Fluorobiphenyl	1.181	1.206		2.1	
2,4,5-Trichlorophenol	0.396	0.409		3.3	
1,1-Biphenyl	1.370	1.373		0.2	
2-Chloronaphthalene	1.083	1.082		-0.1	
2-Nitroaniline	0.291	0.312		7.2	
Dimethylphthalate	1.412	1.388		-1.7	
Acenaphthylene	1.601	1.623		1.4	
2,6-Dinitrotoluene	0.326	0.329		0.9	
3-Nitroaniline	0.324	0.338		4.3	
Acenaphthene	1.045	1.019		-2.5	20.0
2,4-Dinitrophenol	0.198	0.202	0.050	2.0	
4-Nitrophenol	0.297	0.287	0.050	-3.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.629		-2.2	
2,4-Dinitrotoluene	0.449	0.464		3.3	
Diethylphthalate	1.477	1.453		-1.6	
4-Chlorophenyl-phenylether	0.692	0.673		-2.7	
Fluorene	1.394	1.357		-2.7	
4-Nitroaniline	0.361	0.363		0.6	
4,6-Dinitro-2-methylphenol	0.118	0.126		6.8	
n-Nitrosodiphenylamine	0.530	0.534		0.8	20.0
2,4,6-Tribromophenol	0.351	0.356		1.4	
4-Bromophenyl-phenylether	0.210	0.215		2.4	
Hexachlorobenzene	0.276	0.283		2.5	
Atrazine	0.163	0.168		3.1	
Pentachlorophenol	0.159	0.167		5.0	20.0
Phenanthrene	0.958	0.959		0.1	
Anthracene	0.935	0.954		2.0	
Carbazole	0.957	0.955		-0.2	
Di-n-butylphthalate	1.053	1.162		10.4	
Fluoranthene	1.163	1.186		2.0	20.0
Pyrene	1.100	1.154		4.9	
Terphenyl-d14	0.869	0.859		-1.2	
Butylbenzylphthalate	0.482	0.516		7.1	
3,3-Dichlorobenzidine	0.440	0.461		4.8	
Benzo (a) anthracene	1.124	1.162		3.4	
Chrysene	1.087	1.095		0.7	
Bis(2-ethylhexyl)phthalate	0.641	0.746		16.4	
Di-n-octyl phthalate	1.051	1.236		17.6	20.0
Benzo (b) fluoranthene	1.042	1.060		1.7	
Benzo (k) fluoranthene	0.974	0.991		1.7	
Benzo (a) pyrene	0.912	0.933		2.3	20.0
Indeno (1,2,3-cd) pyrene	1.338	1.355		1.3	
Dibenzo (a,h) anthracene	1.106	1.127		1.9	
Benzo (g,h,i) perylene	1.140	1.151		1.0	
1,2,4,5-Tetrachlorobenzene	0.502	0.515		2.6	
1,4-Dioxane	0.426	0.408		-4.2	20.0
2,3,4,6-Tetrachlorophenol	0.366	0.365		-0.3	

All other compounds must meet a minimum RRF of 0.010.