

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291

Instrument ID: BNA_F Calibration Date/Time: 12/19/2024 11:38

Lab File ID: BF140918.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.221		0.5	
Benzaldehyde	0.892	0.851		-4.6	
Phenol-d6	1.609	1.487		-7.6	
Phenol	1.668	1.568		-6.0	20.0
bis(2-Chloroethyl)ether	1.244	1.187		-4.6	
2-Chlorophenol	1.325	1.270		-4.2	
2-Methylphenol	1.058	0.965		-8.8	
2,2-oxybis(1-Chloropropane)	1.465	1.372		-6.3	
Acetophenone	0.500	0.482		-3.6	
3+4-Methylphenols	1.403	1.307		-6.8	
n-Nitroso-di-n-propylamine	0.965	0.878	0.050	-9.0	
Nitrobenzene-d5	0.400	0.386		-3.5	
Hexachloroethane	0.570	0.530		-7.0	
Nitrobenzene	0.410	0.392		-4.4	
Isophorone	0.670	0.648		-3.3	
2-Nitrophenol	0.189	0.188		-0.5	20.0
2,4-Dimethylphenol	0.220	0.217		-1.4	
bis(2-Chloroethoxy)methane	0.418	0.408		-2.4	
2,4-Dichlorophenol	0.304	0.300		-1.3	20.0
Naphthalene	1.099	1.070		-2.6	
4-Chloroaniline	0.365	0.367		0.5	
Hexachlorobutadiene	0.235	0.224		-4.7	20.0
Caprolactam	0.091	0.100		9.9	
4-Chloro-3-methylphenol	0.342	0.331		-3.2	20.0
2-Methylnaphthalene	0.727	0.712		-2.1	
Hexachlorocyclopentadiene	0.153	0.110	0.050	-28.1	
2,4,6-Trichlorophenol	0.376	0.385		2.4	20.0
2-Fluorobiphenyl	1.455	1.472		1.2	
2,4,5-Trichlorophenol	0.414	0.412		-0.5	
1,1-Biphenyl	1.590	1.648		3.6	
2-Chloronaphthalene	1.217	1.266		4.0	
2-Nitroaniline	0.367	0.391		6.5	
Dimethylphthalate	1.410	1.465		3.9	
Acenaphthylene	1.788	1.915		7.1	
2,6-Dinitrotoluene	0.322	0.329		2.2	
3-Nitroaniline	0.320	0.327		2.2	
Acenaphthene	1.142	1.107		-3.1	20.0
2,4-Dinitrophenol	0.132	0.123	0.050	-6.8	
4-Nitrophenol	0.150	0.181	0.050	20.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.720		-2.8	
2,4-Dinitrotoluene	0.424	0.419		-1.2	
Diethylphthalate	1.462	1.435		-1.8	
4-Chlorophenyl-phenylether	0.733	0.745		1.6	
Fluorene	1.460	1.449		-0.8	
4-Nitroaniline	0.334	0.350		4.8	
4,6-Dinitro-2-methylphenol	0.113	0.117		3.5	
n-Nitrosodiphenylamine	0.615	0.634		3.1	20.0
2,4,6-Tribromophenol	0.237	0.237		0.0	
4-Bromophenyl-phenylether	0.224	0.210		-6.3	
Hexachlorobenzene	0.254	0.242		-4.7	
Atrazine	0.172	0.145		-15.7	
Pentachlorophenol	0.093	0.077		-17.2	20.0
Phenanthrene	1.028	0.989		-3.8	
Anthracene	1.013	0.965		-4.7	
Carbazole	0.992	0.982		-1.0	
Di-n-butylphthalate	1.164	1.169		0.4	
Fluoranthene	1.184	1.131		-4.5	20.0
Pyrene	1.779	1.748		-1.7	
Terphenyl-d14	1.268	1.238		-2.4	
Butylbenzylphthalate	0.654	0.698		6.7	
3,3-Dichlorobenzidine	0.428	0.417		-2.6	
Benzo (a) anthracene	1.417	1.385		-2.3	
Chrysene	1.289	1.257		-2.5	
Bis(2-ethylhexyl)phthalate	0.844	0.881		4.4	
Di-n-octyl phthalate	1.277	1.249		-2.2	20.0
Benzo (b) fluoranthene	1.388	1.367		-1.5	
Benzo (k) fluoranthene	1.191	1.165		-2.2	
Benzo (a) pyrene	1.087	1.075		-1.1	20.0
Indeno (1,2,3-cd) pyrene	1.248	1.392		11.5	
Dibenzo (a,h) anthracene	1.034	1.153		11.5	
Benzo (g,h,i) perylene	1.052	1.158		10.1	
1,2,4,5-Tetrachlorobenzene	0.615	0.631		2.6	
1,4-Dioxane	0.523	0.450		-14.0	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.351		4.2	

All other compounds must meet a minimum RRF of 0.010.