

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: 12/18/2024 10:43

Lab File ID: BF140896.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	1.202		-1.1	
Benzaldehyde	0.892	0.843		-5.5	
Phenol-d6	1.609	1.679		4.4	
Phenol	1.668	1.768		6.0	20.0
bis(2-Chloroethyl)ether	1.244	1.215		-2.3	
2-Chlorophenol	1.325	1.306		-1.4	
2-Methylphenol	1.058	0.992		-6.2	
2,2-oxybis(1-Chloropropane)	1.465	1.374		-6.2	
Acetophenone	0.500	0.532		6.4	
3+4-Methylphenols	1.403	1.371		-2.3	
n-Nitroso-di-n-propylamine	0.965	0.916	0.050	-5.1	
Nitrobenzene-d5	0.400	0.432		8.0	
Hexachloroethane	0.570	0.558		-2.1	
Nitrobenzene	0.410	0.445		8.5	
Isophorone	0.670	0.725		8.2	
2-Nitrophenol	0.189	0.213		12.7	20.0
2,4-Dimethylphenol	0.220	0.246		11.8	
bis(2-Chloroethoxy)methane	0.418	0.387		-7.4	
2,4-Dichlorophenol	0.304	0.299		-1.6	20.0
Naphthalene	1.099	1.068		-2.8	
4-Chloroaniline	0.365	0.363		-0.5	
Hexachlorobutadiene	0.235	0.220		-6.4	20.0
Caprolactam	0.091	0.095		4.4	
4-Chloro-3-methylphenol	0.342	0.334		-2.3	20.0
2-Methylnaphthalene	0.727	0.705		-3.0	
Hexachlorocyclopentadiene	0.153	0.115	0.050	-24.8	
2,4,6-Trichlorophenol	0.376	0.387		2.9	20.0
2-Fluorobiphenyl	1.455	1.461		0.4	
2,4,5-Trichlorophenol	0.414	0.423		2.2	
1,1-Biphenyl	1.590	1.606		1.0	
2-Chloronaphthalene	1.217	1.244		2.2	
2-Nitroaniline	0.367	0.399		8.7	
Dimethylphthalate	1.410	1.402		-0.6	
Acenaphthylene	1.788	1.740		-2.7	
2,6-Dinitrotoluene	0.322	0.351		9.0	
3-Nitroaniline	0.320	0.325		1.6	
Acenaphthene	1.142	1.107		-3.1	20.0
2,4-Dinitrophenol	0.132	0.126	0.050	-4.5	
4-Nitrophenol	0.150	0.127	0.050	-15.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.696		-4.2	
2,4-Dinitrotoluene	0.424	0.422		-0.5	
Diethylphthalate	1.462	1.386		-5.2	
4-Chlorophenyl-phenylether	0.733	0.699		-4.6	
Fluorene	1.460	1.412		-3.3	
4-Nitroaniline	0.334	0.337		0.9	
4,6-Dinitro-2-methylphenol	0.113	0.113		0.0	
n-Nitrosodiphenylamine	0.615	0.583		-5.2	20.0
2,4,6-Tribromophenol	0.237	0.227		-4.2	
4-Bromophenyl-phenylether	0.224	0.210		-6.3	
Hexachlorobenzene	0.254	0.245		-3.5	
Atrazine	0.172	0.155		-9.9	
Pentachlorophenol	0.093	0.075		-19.4	20.0
Phenanthrene	1.028	0.979		-4.8	
Anthracene	1.013	0.861		-15.0	
Carbazole	0.992	0.868		-12.5	
Di-n-butylphthalate	1.164	1.072		-7.9	
Fluoranthene	1.184	1.117		-5.7	20.0
Pyrene	1.779	1.585		-10.9	
Terphenyl-d14	1.268	1.148		-9.5	
Butylbenzylphthalate	0.654	0.695		6.3	
3,3-Dichlorobenzidine	0.428	0.409		-4.4	
Benzo (a) anthracene	1.417	1.357		-4.2	
Chrysene	1.289	1.234		-4.3	
Bis(2-ethylhexyl)phthalate	0.844	0.864		2.4	
Di-n-octyl phthalate	1.277	1.232		-3.5	20.0
Benzo (b) fluoranthene	1.388	1.313		-5.4	
Benzo (k) fluoranthene	1.191	1.091		-8.4	
Benzo (a) pyrene	1.087	1.076		-1.0	20.0
Indeno (1,2,3-cd) pyrene	1.248	1.078		-13.6	
Dibenzo (a,h) anthracene	1.034	0.889		-14.0	
Benzo (g,h,i) perylene	1.052	0.922		-12.4	
1,2,4,5-Tetrachlorobenzene	0.615	0.611		-0.6	
1,4-Dioxane	0.523	0.530		1.3	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.329		-2.4	

All other compounds must meet a minimum RRF of 0.010.