

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: 12/23/2024 10:18

Lab File ID: BF140961.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	1.270		4.5	
Benzaldehyde	0.892	0.787		-11.8	
Phenol-d6	1.609	1.609		0.0	
Phenol	1.668	1.652		-1.0	20.0
bis(2-Chloroethyl)ether	1.244	1.265		1.7	
2-Chlorophenol	1.325	1.346		1.6	
2-Methylphenol	1.058	1.055		-0.3	
2,2-oxybis(1-Chloropropane)	1.465	1.442		-1.6	
Acetophenone	0.500	0.532		6.4	
3+4-Methylphenols	1.403	1.418		1.1	
n-Nitroso-di-n-propylamine	0.965	0.928	0.050	-3.8	
Nitrobenzene-d5	0.400	0.411		2.8	
Hexachloroethane	0.570	0.563		-1.2	
Nitrobenzene	0.410	0.418		2.0	
Isophorone	0.670	0.687		2.5	
2-Nitrophenol	0.189	0.201		6.3	20.0
2,4-Dimethylphenol	0.220	0.230		4.5	
bis(2-Chloroethoxy)methane	0.418	0.436		4.3	
2,4-Dichlorophenol	0.304	0.325		6.9	20.0
Naphthalene	1.099	1.150		4.6	
4-Chloroaniline	0.365	0.371		1.6	
Hexachlorobutadiene	0.235	0.252		7.2	20.0
Caprolactam	0.091	0.087		-4.4	
4-Chloro-3-methylphenol	0.342	0.340		-0.6	20.0
2-Methylnaphthalene	0.727	0.745		2.5	
Hexachlorocyclopentadiene	0.153	0.090	0.050	-41.2	
2,4,6-Trichlorophenol	0.376	0.387		2.9	20.0
2-Fluorobiphenyl	1.455	1.547		6.3	
2,4,5-Trichlorophenol	0.414	0.408		-1.4	
1,1-Biphenyl	1.590	1.705		7.2	
2-Chloronaphthalene	1.217	1.302		7.0	
2-Nitroaniline	0.367	0.363		-1.1	
Dimethylphthalate	1.410	1.434		1.7	
Acenaphthylene	1.788	1.907		6.7	
2,6-Dinitrotoluene	0.322	0.330		2.5	
3-Nitroaniline	0.320	0.318		-0.6	
Acenaphthene	1.142	1.220		6.8	20.0
2,4-Dinitrophenol	0.132	0.127	0.050	-3.8	
4-Nitrophenol	0.150	0.059	0.050	-60.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.832		3.5	
2,4-Dinitrotoluene	0.424	0.432		1.9	
Diethylphthalate	1.462	1.469		0.5	
4-Chlorophenyl-phenylether	0.733	0.762		4.0	
Fluorene	1.460	1.479		1.3	
4-Nitroaniline	0.334	0.316		-5.4	
4,6-Dinitro-2-methylphenol	0.113	0.118		4.4	
n-Nitrosodiphenylamine	0.615	0.681		10.7	20.0
2,4,6-Tribromophenol	0.237	0.231		-2.5	
4-Bromophenyl-phenylether	0.224	0.246		9.8	
Hexachlorobenzene	0.254	0.280		10.2	
Atrazine	0.172	0.163		-5.2	
Pentachlorophenol	0.093	0.088		-5.4	20.0
Phenanthrene	1.028	1.096		6.6	
Anthracene	1.013	1.060		4.6	
Carbazole	0.992	0.984		-0.8	
Di-n-butylphthalate	1.164	1.188		2.1	
Fluoranthene	1.184	1.156		-2.4	20.0
Pyrene	1.779	1.913		7.5	
Terphenyl-d14	1.268	1.364		7.6	
Butylbenzylphthalate	0.654	0.652		-0.3	
3,3-Dichlorobenzidine	0.428	0.467		9.1	
Benzo (a) anthracene	1.417	1.454		2.6	
Chrysene	1.289	1.360		5.5	
Bis(2-ethylhexyl)phthalate	0.844	0.861		2.0	
Di-n-octyl phthalate	1.277	1.362		6.7	20.0
Benzo (b) fluoranthene	1.388	1.266		-8.8	
Benzo (k) fluoranthene	1.191	1.270		6.6	
Benzo (a) pyrene	1.087	1.171		7.7	20.0
Indeno (1,2,3-cd) pyrene	1.248	1.671		33.9	
Dibenzo (a,h) anthracene	1.034	1.397		35.1	
Benzo (g,h,i) perylene	1.052	1.355		28.8	
1,2,4,5-Tetrachlorobenzene	0.615	0.684		11.2	
1,4-Dioxane	0.523	0.488		-6.7	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.334		-0.9	

All other compounds must meet a minimum RRF of 0.010.