

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SCHE03

Lab Code: CHEM Case No.: P4385 SAS No.: P4385 SDG No.: P4385

Instrument ID: BNA_F Calibration Date/Time: 10/21/2024 09:57

Lab File ID: BF139892.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.253		-2.0	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.618		-2.2	
Phenol	1.706	1.701		-0.3	20.0
bis(2-Chloroethyl)ether	1.319	1.298		-1.6	
2-Chlorophenol	1.306	1.302		-0.3	
2-Methylphenol	1.114	1.099		-1.3	
2,2-oxybis(1-Chloropropane)	2.248	2.201		-2.1	
Acetophenone	0.490	0.481		-1.8	
3+4-Methylphenols	1.424	1.398		-1.8	
n-Nitroso-di-n-propylamine	1.004	0.965	0.050	-3.9	
Nitrobenzene-d5	0.361	0.370		2.5	
Hexachloroethane	0.534	0.539		0.9	
Nitrobenzene	0.396	0.395		-0.3	
Isophorone	0.685	0.677		-1.2	
2-Nitrophenol	0.149	0.157		5.4	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.418		0.7	
2,4-Dichlorophenol	0.283	0.286		1.1	20.0
Naphthalene	1.031	1.026		-0.5	
4-Chloroaniline	0.352	0.354		0.6	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
Caprolactam	0.090	0.085		-5.6	
4-Chloro-3-methylphenol	0.314	0.311		-1.0	20.0
2-Methylnaphthalene	0.632	0.627		-0.8	
Hexachlorocyclopentadiene	0.188	0.209	0.050	11.2	
2,4,6-Trichlorophenol	0.382	0.378		-1.0	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.415		5.3	
1,1-Biphenyl	1.392	1.400		0.6	
2-Chloronaphthalene	1.121	1.125		0.4	
2-Nitroaniline	0.343	0.354		3.2	
Dimethylphthalate	1.246	1.237		-0.7	
Acenaphthylene	1.621	1.614		-0.4	
2,6-Dinitrotoluene	0.270	0.275		1.9	
3-Nitroaniline	0.278	0.282		1.4	
Acenaphthene	1.049	1.050		0.1	20.0
2,4-Dinitrophenol	0.093	0.104	0.050	11.8	
4-Nitrophenol	0.214	0.218	0.050	1.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.506		0.1	
2,4-Dinitrotoluene	0.332	0.343		3.3	
Diethylphthalate	1.223	1.206		-1.4	
4-Chlorophenyl-phenylether	0.579	0.575		-0.7	
Fluorene	1.146	1.118		-2.4	
4-Nitroaniline	0.263	0.269		2.3	
4,6-Dinitro-2-methylphenol	0.082	0.091		11.0	
n-Nitrosodiphenylamine	0.599	0.601		0.3	20.0
2,4,6-Tribromophenol	0.187	0.195		4.3	
4-Bromophenyl-phenylether	0.206	0.215		4.4	
Hexachlorobenzene	0.232	0.240		3.4	
Atrazine	0.162	0.162		0.0	
Pentachlorophenol	0.141	0.155		9.9	20.0
Phenanthrene	0.945	0.931		-1.5	
Anthracene	0.922	0.920		-0.2	
Carbazole	0.857	0.827		-3.5	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.907		-5.0	20.0
Pyrene	1.751	1.911		9.1	
Terphenyl-d14	1.227	1.303		6.2	
Butylbenzylphthalate	0.525	0.537		2.3	
3,3-Dichlorobenzidine	0.380	0.390		2.6	
Benzo (a) anthracene	1.302	1.326		1.8	
Chrysene	1.194	1.209		1.3	
Bis(2-ethylhexyl)phthalate	0.589	0.666		13.1	
Di-n-octyl phthalate	1.071	1.261		17.7	20.0
Benzo (b) fluoranthene	1.218	1.234		1.3	
Benzo (k) fluoranthene	1.051	0.938		-10.8	
Benzo (a) pyrene	1.002	1.009		0.7	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.495		16.2	
Dibenzo (a,h) anthracene	1.073	1.250		16.5	
Benzo (g,h,i) perylene	1.072	1.278		19.2	
1,2,4,5-Tetrachlorobenzene	0.540	0.552		2.2	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.313		1.3	

All other compounds must meet a minimum RRF of 0.010.