

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: 10/22/2024 09:39

Lab File ID: BF139917.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	1.261		-1.3	
Benzaldehyde	0.931	0.912		-2.0	
Phenol-d6	1.655	1.609		-2.8	
Phenol	1.706	1.663		-2.5	20.0
bis(2-Chloroethyl)ether	1.319	1.282		-2.8	
2-Chlorophenol	1.306	1.309		0.2	
2-Methylphenol	1.114	1.094		-1.8	
2,2-oxybis(1-Chloropropane)	2.248	2.110		-6.1	
Acetophenone	0.490	0.478		-2.4	
3+4-Methylphenols	1.424	1.403		-1.5	
n-Nitroso-di-n-propylamine	1.004	0.945	0.050	-5.9	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.540		1.1	
Nitrobenzene	0.396	0.402		1.5	
Isophorone	0.685	0.670		-2.2	
2-Nitrophenol	0.149	0.173		16.1	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.415	0.406		-2.2	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.031	1.032		0.1	
4-Chloroaniline	0.352	0.351		-0.3	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.089		-1.1	
4-Chloro-3-methylphenol	0.314	0.312		-0.6	20.0
2-Methylnaphthalene	0.632	0.628		-0.6	
Hexachlorocyclopentadiene	0.188	0.217	0.050	15.4	
2,4,6-Trichlorophenol	0.382	0.408		6.8	20.0
2-Fluorobiphenyl	1.210	1.182		-2.3	
2,4,5-Trichlorophenol	0.394	0.398		1.0	
1,1-Biphenyl	1.392	1.379		-0.9	
2-Chloronaphthalene	1.121	1.123		0.2	
2-Nitroaniline	0.343	0.368		7.3	
Dimethylphthalate	1.246	1.243		-0.2	
Acenaphthylene	1.621	1.606		-0.9	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.290		4.3	
Acenaphthene	1.049	1.063		1.3	20.0
2,4-Dinitrophenol	0.093	0.135	0.050	45.2	
4-Nitrophenol	0.214	0.236	0.050	10.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.486		-1.3	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.207		-1.3	
4-Chlorophenyl-phenylether	0.579	0.588		1.6	
Fluorene	1.146	1.131		-1.3	
4-Nitroaniline	0.263	0.284		8.0	
4,6-Dinitro-2-methylphenol	0.082	0.110		34.1	
n-Nitrosodiphenylamine	0.599	0.590		-1.5	20.0
2,4,6-Tribromophenol	0.187	0.203		8.6	
4-Bromophenyl-phenylether	0.206	0.210		1.9	
Hexachlorobenzene	0.232	0.234		0.9	
Atrazine	0.162	0.167		3.1	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.922		-2.4	
Anthracene	0.922	0.911		-1.2	
Carbazole	0.857	0.835		-2.6	
Di-n-butylphthalate	0.990	0.962		-2.8	
Fluoranthene	0.955	0.943		-1.3	20.0
Pyrene	1.751	1.947		11.2	
Terphenyl-d14	1.227	1.333		8.6	
Butylbenzylphthalate	0.525	0.554		5.5	
3,3-Dichlorobenzidine	0.380	0.418		10.0	
Benzo (a) anthracene	1.302	1.298		-0.3	
Chrysene	1.194	1.200		0.5	
Bis(2-ethylhexyl)phthalate	0.589	0.653		10.9	
Di-n-octyl phthalate	1.071	1.174		9.6	20.0
Benzo (b) fluoranthene	1.218	1.212		-0.5	
Benzo (k) fluoranthene	1.051	0.968		-7.9	
Benzo (a) pyrene	1.002	1.008		0.6	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.475		14.6	
Dibenzo (a,h) anthracene	1.073	1.220		13.7	
Benzo (g,h,i) perylene	1.072	1.265		18.0	
1,2,4,5-Tetrachlorobenzene	0.540	0.546		1.1	
1,4-Dioxane	0.596	0.558		-6.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.325		5.2	

All other compounds must meet a minimum RRF of 0.010.