

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 09:33

Lab File ID: BF140590.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.119		-4.5	
Benzaldehyde	0.820	0.779		-5.0	
Phenol-d6	1.550	1.507		-2.8	
Phenol	1.583	1.586		0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.180		-2.6	
2-Chlorophenol	1.261	1.243		-1.4	
2-Methylphenol	1.010	0.988		-2.2	
2,2-oxybis(1-Chloropropane)	1.431	1.423		-0.6	
Acetophenone	0.488	0.461		-5.5	
3+4-Methylphenols	1.298	1.252		-3.5	
n-Nitroso-di-n-propylamine	0.916	0.880	0.050	-3.9	
Nitrobenzene-d5	0.391	0.377		-3.6	
Hexachloroethane	0.536	0.520		-3.0	
Nitrobenzene	0.404	0.386		-4.5	
Isophorone	0.652	0.631		-3.2	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.218		1.9	
bis(2-Chloroethoxy)methane	0.397	0.394		-0.8	
2,4-Dichlorophenol	0.284	0.282		-0.7	20.0
Naphthalene	1.030	1.017		-1.3	
4-Chloroaniline	0.308	0.331		7.5	
Hexachlorobutadiene	0.215	0.212		-1.4	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.314		-1.3	20.0
2-Methylnaphthalene	0.654	0.650		-0.6	
Hexachlorocyclopentadiene	0.107	0.100	0.050	-6.5	
2,4,6-Trichlorophenol	0.367	0.368		0.3	20.0
2-Fluorobiphenyl	1.342	1.315		-2.0	
2,4,5-Trichlorophenol	0.399	0.405		1.5	
1,1-Biphenyl	1.493	1.483		-0.7	
2-Chloronaphthalene	1.131	1.133		0.2	
2-Nitroaniline	0.363	0.361		-0.6	
Dimethylphthalate	1.317	1.305		-0.9	
Acenaphthylene	1.710	1.718		0.5	
2,6-Dinitrotoluene	0.299	0.304		1.7	
3-Nitroaniline	0.292	0.298		2.1	
Acenaphthene	1.086	1.091		0.5	20.0
2,4-Dinitrophenol	0.122	0.127	0.050	4.1	
4-Nitrophenol	0.199	0.190	0.050	-4.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.654		-0.2	
2,4-Dinitrotoluene	0.397	0.407		2.5	
Diethylphthalate	1.338	1.312		-1.9	
4-Chlorophenyl-phenylether	0.653	0.649		-0.6	
Fluorene	1.330	1.315		-1.1	
4-Nitroaniline	0.306	0.308		0.7	
4,6-Dinitro-2-methylphenol	0.102	0.105		2.9	
n-Nitrosodiphenylamine	0.591	0.579		-2.0	20.0
2,4,6-Tribromophenol	0.214	0.210		-1.9	
4-Bromophenyl-phenylether	0.206	0.203		-1.5	
Hexachlorobenzene	0.238	0.233		-2.1	
Atrazine	0.166	0.168		1.2	
Pentachlorophenol	0.105	0.110		4.8	20.0
Phenanthrene	0.961	0.960		-0.1	
Anthracene	0.940	0.932		-0.9	
Carbazole	0.905	0.906		0.1	
Di-n-butylphthalate	1.044	1.047		0.3	
Fluoranthene	1.044	1.089		4.3	20.0
Pyrene	1.849	1.784		-3.5	
Terphenyl-d14	1.284	1.204		-6.2	
Butylbenzylphthalate	0.666	0.675		1.4	
3,3-Dichlorobenzidine	0.397	0.378		-4.8	
Benzo (a) anthracene	1.324	1.309		-1.1	
Chrysene	1.211	1.194		-1.4	
Bis(2-ethylhexyl)phthalate	0.841	0.854		1.5	
Di-n-octyl phthalate	1.150	1.214		5.6	20.0
Benzo (b) fluoranthene	1.256	1.296		3.2	
Benzo (k) fluoranthene	1.099	1.007		-8.4	
Benzo (a) pyrene	1.021	1.000		-2.1	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.273		-2.3	
Dibenzo (a,h) anthracene	1.067	1.042		-2.3	
Benzo (g,h,i) perylene	1.089	1.078		-1.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.586		0.0	
1,4-Dioxane	0.493	0.469		-4.9	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.320		4.6	

All other compounds must meet a minimum RRF of 0.010.