

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: BNA_F Calibration Date/Time: 10/29/2024 16:01

Lab File ID: BF140113.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	1.205		-5.7	
Benzaldehyde	0.931	0.974		4.6	
Phenol-d6	1.655	1.537		-7.1	
Phenol	1.706	1.605		-5.9	20.0
bis(2-Chloroethyl)ether	1.319	1.266		-4.0	
2-Chlorophenol	1.306	1.245		-4.7	
2-Methylphenol	1.114	1.067		-4.2	
2,2-oxybis(1-Chloropropane)	2.248	2.083		-7.3	
Acetophenone	0.490	0.470		-4.1	
3+4-Methylphenols	1.424	1.318		-7.4	
n-Nitroso-di-n-propylamine	1.004	0.946	0.050	-5.8	
Nitrobenzene-d5	0.361	0.383		6.1	
Hexachloroethane	0.534	0.545		2.1	
Nitrobenzene	0.396	0.402		1.5	
Isophorone	0.685	0.680		-0.7	
2-Nitrophenol	0.149	0.181		21.5	20.0
2,4-Dimethylphenol	0.249	0.233		-6.4	
bis(2-Chloroethoxy)methane	0.415	0.408		-1.7	
2,4-Dichlorophenol	0.283	0.282		-0.4	20.0
Naphthalene	1.031	1.010		-2.0	
4-Chloroaniline	0.352	0.329		-6.5	
Hexachlorobutadiene	0.197	0.207		5.1	20.0
Caprolactam	0.090	0.091		1.1	
4-Chloro-3-methylphenol	0.314	0.318		1.3	20.0
2-Methylnaphthalene	0.632	0.625		-1.1	
Hexachlorocyclopentadiene	0.188	0.190	0.050	1.1	
2,4,6-Trichlorophenol	0.382	0.377		-1.3	20.0
2-Fluorobiphenyl	1.210	1.189		-1.7	
2,4,5-Trichlorophenol	0.394	0.416		5.6	
1,1-Biphenyl	1.392	1.372		-1.4	
2-Chloronaphthalene	1.121	1.104		-1.5	
2-Nitroaniline	0.343	0.381		11.1	
Dimethylphthalate	1.246	1.264		1.4	
Acenaphthylene	1.621	1.599		-1.4	
2,6-Dinitrotoluene	0.270	0.296		9.6	
3-Nitroaniline	0.278	0.292		5.0	
Acenaphthene	1.049	1.075		2.5	20.0
2,4-Dinitrophenol	0.093	0.159	0.050	71.0	
4-Nitrophenol	0.214	0.221	0.050	3.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.480		-1.7	
2,4-Dinitrotoluene	0.332	0.389		17.2	
Diethylphthalate	1.223	1.260		3.0	
4-Chlorophenyl-phenylether	0.579	0.591		2.1	
Fluorene	1.146	1.142		-0.3	
4-Nitroaniline	0.263	0.285		8.4	
4,6-Dinitro-2-methylphenol	0.082	0.125		52.4	
n-Nitrosodiphenylamine	0.599	0.594		-0.8	20.0
2,4,6-Tribromophenol	0.187	0.205		9.6	
4-Bromophenyl-phenylether	0.206	0.220		6.8	
Hexachlorobenzene	0.232	0.242		4.3	
Atrazine	0.162	0.161		-0.6	
Pentachlorophenol	0.141	0.155		9.9	20.0
Phenanthrene	0.945	0.912		-3.5	
Anthracene	0.922	0.902		-2.2	
Carbazole	0.857	0.799		-6.8	
Di-n-butylphthalate	0.990	1.023		3.3	
Fluoranthene	0.955	0.899		-5.9	20.0
Pyrene	1.751	1.679		-4.1	
Terphenyl-d14	1.227	1.209		-1.5	
Butylbenzylphthalate	0.525	0.610		16.2	
3,3-Dichlorobenzidine	0.380	0.442		16.3	
Benzo (a) anthracene	1.302	1.290		-0.9	
Chrysene	1.194	1.183		-0.9	
Bis(2-ethylhexyl)phthalate	0.589	0.782		32.8	
Di-n-octyl phthalate	1.071	1.324		23.6	20.0
Benzo (b) fluoranthene	1.218	1.164		-4.4	
Benzo (k) fluoranthene	1.051	1.021		-2.9	
Benzo (a) pyrene	1.002	0.991		-1.1	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.296		0.7	
Dibenzo (a,h) anthracene	1.073	1.071		-0.2	
Benzo (g,h,i) perylene	1.072	1.091		1.8	
1,2,4,5-Tetrachlorobenzene	0.540	0.552		2.2	
1,4-Dioxane	0.596	0.528		-11.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.322		4.2	

All other compounds must meet a minimum RRF of 0.010.