

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P3845 SAS No.: P3845 SDG No.: P3845

Instrument ID: BNA_M Calibration Date/Time: 09/19/2024 11:49

Lab File ID: BM047566.D Init. Calib. Date(s): 09/14/2024 09/14/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:57 16:34

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.727	0.650		-10.6	
Pyridine	1.601	1.529		-4.5	
2-Fluorophenol	1.256	1.306		4.0	
Benzaldehyde	0.841	0.864		2.7	
Aniline	1.568	1.518		-3.2	
Phenol-d6	1.769	1.780		0.6	
bis(2-Chloroethyl)ether	1.422	1.432		0.7	
1,2-Dichlorobenzene	1.519	1.466		-3.5	
1,3-Dichlorobenzene	1.516	1.501		-1.0	
1,4-Dichlorobenzene	1.544	1.518		-1.7	20.0
Benzyl Alcohol	1.198	1.193		-0.4	
2,2-oxybis(1-Chloropropane)	2.000	1.862		-6.9	
Acetophenone	0.526	0.517		-1.7	
n-Nitroso-di-n-propylamine	1.193	1.152	0.050	-3.4	
Nitrobenzene-d5	0.400	0.407		1.8	
Hexachloroethane	0.617	0.627		1.6	
Nitrobenzene	0.411	0.412		0.2	
Isophorone	0.703	0.720		2.4	
bis(2-Chloroethoxy)methane	0.441	0.451		2.3	
1,2,4-Trichlorobenzene	0.309	0.302		-2.3	
Naphthalene	1.080	1.058		-2.0	
4-Chloroaniline	0.391	0.375		-4.1	
Hexachlorobutadiene	0.171	0.168		-1.8	20.0
Caprolactam	0.089	0.097		9.0	
2-Methylnaphthalene	0.719	0.693		-3.6	
Hexachlorocyclopentadiene	0.177	0.194	0.050	9.6	
2-Fluorobiphenyl	1.452	1.489		2.5	
1,1-Biphenyl	1.556	1.577		1.4	
2-Chloronaphthalene	1.208	1.206		-0.2	
2-Nitroaniline	0.355	0.393		10.7	
Dimethylphthalate	1.363	1.412		3.6	
Acenaphthylene	1.744	1.766		1.3	
2,6-Dinitrotoluene	0.288	0.308		6.9	
3-Nitroaniline	0.320	0.347		8.4	
Acenaphthene	1.222	1.250		2.3	20.0
Dibenzofuran	1.717	1.690		-1.6	
2,4-Dinitrotoluene	0.384	0.413		7.6	
Diethylphthalate	1.451	1.571		8.3	
4-Chlorophenyl-phenylether	0.707	0.696		-1.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Fluorene	1.546	1.546		0.0	
4-Nitroaniline	0.376	0.403		7.2	
n-Nitrosodiphenylamine	0.612	0.614		0.3	20.0
Azobenzene	1.597	1.675		4.9	
2,4,6-Tribromophenol	0.193	0.201		4.1	
4-Bromophenyl-phenylether	0.194	0.192		-1.0	
Hexachlorobenzene	0.220	0.218		-0.9	
Atrazine	0.169	0.142		-16.0	
Phenanthrene	1.102	1.082		-1.8	
Anthracene	1.059	1.059		0.0	
Carbazole	1.049	1.066		1.6	
Di-n-butylphthalate	1.256	1.479		17.8	
Fluoranthene	1.203	1.232		2.4	20.0
Benzidine	0.282	0.463		64.2	
Pyrene	1.459	1.474		1.0	
Terphenyl-dl4	1.116	1.244		11.5	
Butylbenzylphthalate	0.562	0.730		29.9	
3,3-Dichlorobenzidine	0.347	0.471		35.7	
Benzo(a)anthracene	1.304	1.336		2.5	
Chrysene	1.233	1.250		1.4	
Bis(2-ethylhexyl)phthalate	0.880	1.186		34.8	
Di-n-octyl phthalate	1.244	1.882		51.3	20.0
Benzo(b)fluoranthene	1.294	1.298		0.3	
Benzo(k)fluoranthene	1.282	1.261		-1.6	
Benzo(a)pyrene	1.061	1.080		1.8	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.356		13.3	
Dibenzo(a,h)anthracene	1.007	1.134		12.6	
Benzo(g,h,i)perylene	0.984	1.114		13.2	
1,2,4,5-Tetrachlorobenzene	0.541	0.545		0.7	
1,4-Dioxane	0.538	0.526		-2.2	20.0
1-Methylnaphthalene	0.714	0.685		-4.1	

All other compounds must meet a minimum RRF of 0.010.