

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: 09/16/2024 10:16

Lab File ID: BM047533.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	0.721		-0.8	
Pyridine	1.601	1.621		1.2	
2-Fluorophenol	1.256	1.252		-0.3	
Benzaldehyde	0.841	0.790		-6.1	
Aniline	1.568	1.589		1.3	
Phenol-d6	1.769	1.794		1.4	
bis(2-Chloroethyl)ether	1.422	1.438		1.1	
1,2-Dichlorobenzene	1.519	1.494		-1.6	
1,3-Dichlorobenzene	1.516	1.490		-1.7	
1,4-Dichlorobenzene	1.544	1.514		-1.9	20.0
Benzyl Alcohol	1.198	1.201		0.3	
2,2-oxybis(1-Chloropropane)	2.000	1.992		-0.4	
Acetophenone	0.526	0.524		-0.4	
n-Nitroso-di-n-propylamine	1.193	1.237	0.050	3.7	
Nitrobenzene-d5	0.400	0.405		1.3	
Hexachloroethane	0.617	0.600		-2.8	
Nitrobenzene	0.411	0.413		0.5	
Isophorone	0.703	0.714		1.6	
bis(2-Chloroethoxy)methane	0.441	0.445		0.9	
1,2,4-Trichlorobenzene	0.309	0.303		-1.9	
Naphthalene	1.080	1.072		-0.7	
4-Chloroaniline	0.391	0.396		1.3	
Hexachlorobutadiene	0.171	0.165		-3.5	20.0
Caprolactam	0.089	0.097		9.0	
2-Methylnaphthalene	0.719	0.723		0.6	
Hexachlorocyclopentadiene	0.177	0.169	0.050	-4.5	
2-Fluorobiphenyl	1.452	1.482		2.1	
1,1-Biphenyl	1.556	1.554		-0.1	
2-Chloronaphthalene	1.208	1.202		-0.5	
2-Nitroaniline	0.355	0.368		3.7	
Dimethylphthalate	1.363	1.362		-0.1	
Acenaphthylene	1.744	1.770		1.5	
2,6-Dinitrotoluene	0.288	0.299		3.8	
3-Nitroaniline	0.320	0.339		5.9	
Acenaphthene	1.222	1.240		1.5	20.0
Dibenzofuran	1.717	1.720		0.2	
2,4-Dinitrotoluene	0.384	0.409		6.5	
Diethylphthalate	1.451	1.489		2.6	
4-Chlorophenyl-phenylether	0.707	0.726		2.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Fluorene	1.546	1.615		4.5	
4-Nitroaniline	0.376	0.421		12.0	
n-Nitrosodiphenylamine	0.612	0.619		1.1	20.0
Azobenzene	1.597	1.667		4.4	
2,4,6-Tribromophenol	0.193	0.197		2.1	
4-Bromophenyl-phenylether	0.194	0.194		0.0	
Hexachlorobenzene	0.220	0.216		-1.8	
Atrazine	0.169	0.172		1.8	
Phenanthrene	1.102	1.119		1.5	
Anthracene	1.059	1.094		3.3	
Carbazole	1.049	1.094		4.3	
Di-n-butylphthalate	1.256	1.345		7.1	
Fluoranthene	1.203	1.285		6.8	20.0
Benzidine	0.282	0.410		45.4	
Pyrene	1.459	1.491		2.2	
Terphenyl-dl4	1.116	1.242		11.3	
Butylbenzylphthalate	0.562	0.569		1.2	
3,3-Dichlorobenzidine	0.347	0.387		11.5	
Benzo(a)anthracene	1.304	1.325		1.6	
Chrysene	1.233	1.248		1.2	
Bis(2-ethylhexyl)phthalate	0.880	0.931		5.8	
Di-n-octyl phthalate	1.244	1.314		5.6	20.0
Benzo(b)fluoranthene	1.294	1.359		5.0	
Benzo(k)fluoranthene	1.282	1.324		3.3	
Benzo(a)pyrene	1.061	1.092		2.9	20.0
Indeno(1,2,3-cd)pyrene	1.197	1.186		-0.9	
Dibenzo(a,h)anthracene	1.007	0.989		-1.8	
Benzo(g,h,i)perylene	0.984	0.962		-2.2	
1,2,4,5-Tetrachlorobenzene	0.541	0.532		-1.7	
1,4-Dioxane	0.538	0.542		0.7	20.0
1-Methylnaphthalene	0.714	0.720		0.8	

All other compounds must meet a minimum RRF of 0.010.