



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RMJE02

Lab Code: CHEM Case No.: 05252 SAS No.: 05252 SDG No.: 05252

Instrument ID: BNA_M Calibration Date/Time: 11/10/2023 11:22

Lab File ID: BM042685.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 15:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.239	1.163		-6.1	
Benzaldehyde	0.980	1.175		19.9	
Phenol-d6	1.700	1.798		5.8	
Phenol	1.726	1.724		-0.1	20.0
bis(2-Chloroethyl) ether	1.460	1.455		-0.3	
2-Chlorophenol	1.336	1.337		0.1	
2-Methylphenol	1.222	1.303		6.6	
2,2-oxybis(1-Chloropropane)	2.325	2.460		5.8	
Acetophenone	0.504	0.539		6.9	
3+4-Methylphenols	1.634	1.835		12.3	
n-Nitroso-di-n-propylamine	1.202	1.519	0.050	26.4	
Nitrobenzene-d5	0.429	0.496		15.6	
Hexachloroethane	0.572	0.635		11.0	
Nitrobenzene	0.423	0.469		10.9	
Isophorone	0.759	0.909		19.8	
2-Nitrophenol	0.161	0.187		16.1	20.0
2,4-Dimethylphenol	0.291	0.290		-0.3	
bis(2-Chloroethoxy) methane	0.457	0.475		3.9	
2,4-Dichlorophenol	0.287	0.333		16.0	20.0
Naphthalene	1.033	1.074		4.0	
4-Chloroaniline	0.403	0.441		9.4	
Hexachlorobutadiene	0.191	0.262		37.2	20.0
Caprolactam	0.101	0.100		-1.0	
4-Chloro-3-methylphenol	0.327	0.379		15.9	20.0
2-Methylnaphthalene	0.728	0.818		12.4	
Hexachlorocyclopentadiene	0.309	0.430	0.050	39.2	
2,4,6-Trichlorophenol	0.383	0.433		13.1	20.0
2-Fluorobiphenyl	1.486	1.763		18.6	
2,4,5-Trichlorophenol	0.455	0.519		14.1	
1,1-Biphenyl	1.529	1.587		3.8	
2-Chloronaphthalene	1.122	1.144		2.0	
2-Nitroaniline	0.390	0.443		13.6	
Dimethylphthalate	1.495	1.621		8.4	
Acenaphthylene	1.857	1.949		5.0	
2,6-Dinitrotoluene	0.308	0.330		7.1	
3-Nitroaniline	0.296	0.287		-3.0	
Acenaphthene	1.127	1.154		2.4	20.0
2,4-Dinitrophenol	0.177	0.157	0.050	-11.3	
4-Nitrophenol	0.233	0.208	0.050	-10.7	
Dibenzofuran	1.833	1.994		8.8	
2,4-Dinitrotoluene	0.408	0.479		17.4	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.657		9.4	
4-Chlorophenyl-phenylether	0.749	0.920		22.8	
Fluorene	1.483	1.643		10.8	
4-Nitroaniline	0.247	0.258		4.5	
4,6-Dinitro-2-methylphenol	0.117	0.125		6.8	
n-Nitrosodiphenylamine	0.564	0.634		12.4	20.0
2,4,6-Tribromophenol	0.261	0.317		21.5	
4-Bromophenyl-phenylether	0.200	0.252		26.0	
Hexachlorobenzene	0.221	0.272		23.1	
Atrazine	0.163	0.169		3.7	
Pentachlorophenol	0.163	0.169		3.7	20.0
Phenanthrene	1.045	1.082		3.5	
Anthracene	1.035	1.118		8.0	
Carbazole	0.842	0.862		2.4	
Di-n-butylphthalate	1.183	1.321		11.7	
Fluoranthene	1.228	1.212		-1.3	20.0
Pyrene	1.373	1.573		14.6	
Terphenyl-d14	1.180	1.570		33.1	
Butylbenzylphthalate	0.587	0.674		14.8	
3,3-Dichlorobenzidine	0.404	0.469		16.1	
Benzo(a)anthracene	1.273	1.359		6.8	
Chrysene	1.293	1.328		2.7	
Bis(2-ethylhexyl)phthalate	0.886	1.014		14.4	
Di-n-octyl phthalate	1.526	1.584		3.8	20.0
Benzo(b)fluoranthene	1.114	1.127		1.2	
Benzo(k)fluoranthene	1.242	1.242		0.0	
Benzo(a)pyrene	1.097	1.133		3.3	20.0
Indeno(1,2,3-cd)pyrene	1.190	1.370		15.1	
Dibenzo(a,h)anthracene	0.967	1.164		20.4	
Benzo(g,h,i)perylene	1.049	1.087		3.6	
1,2,4,5-Tetrachlorobenzene	0.597	0.691		15.7	
1,4-Dioxane	0.591	0.515		-12.9	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.432		12.5	

All other compounds must meet a minimum RRF of 0.010.