



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.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_F Calibration Date/Time: 11/06/2023 12:01

Lab File ID: BF136149.D Init. Calib. Date(s): 10/30/2023 10/30/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:02 15:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.273	1.234		-3.1	
Benzaldehyde	0.884	0.876		-0.9	
Phenol-d6	1.586	1.540		-2.9	
Phenol	1.640	1.577		-3.8	20.0
bis(2-Chloroethyl) ether	1.284	1.216		-5.3	
2-Chlorophenol	1.361	1.326		-2.6	
2-Methylphenol	1.154	1.114		-3.5	
2,2-oxybis(1-Chloropropane)	1.767	1.622		-8.2	
Acetophenone	0.443	0.452		2.0	
3+4-Methylphenols	1.408	1.371		-2.6	
n-Nitroso-di-n-propylamine	0.906	0.869	0.050	-4.1	
Nitrobenzene-d5	0.332	0.361		8.7	
Hexachloroethane	0.499	0.510		2.2	
Nitrobenzene	0.336	0.355		5.7	
Isophorone	0.626	0.631		0.8	
2-Nitrophenol	0.153	0.177		15.7	20.0
2,4-Dimethylphenol	0.289	0.293		1.4	
bis(2-Chloroethoxy) methane	0.384	0.378		-1.6	
2,4-Dichlorophenol	0.273	0.286		4.8	20.0
Naphthalene	0.964	0.994		3.1	
4-Chloroaniline	0.422	0.427		1.2	
Hexachlorobutadiene	0.171	0.186		8.8	20.0
Caprolactam	0.089	0.090		1.1	
4-Chloro-3-methylphenol	0.286	0.304		6.3	20.0
2-Methylnaphthalene	0.647	0.672		3.9	
Hexachlorocyclopentadiene	0.305	0.322	0.050	5.6	
2,4,6-Trichlorophenol	0.372	0.385		3.5	20.0
2-Fluorobiphenyl	1.255	1.326		5.7	
2,4,5-Trichlorophenol	0.431	0.457		6.0	
1,1-Biphenyl	1.525	1.587		4.1	
2-Chloronaphthalene	1.124	1.175		4.5	
2-Nitroaniline	0.333	0.383		15.0	
Dimethylphthalate	1.319	1.394		5.7	
Acenaphthylene	1.753	1.834		4.6	
2,6-Dinitrotoluene	0.282	0.317		12.4	
3-Nitroaniline	0.329	0.351		6.7	
Acenaphthene	1.115	1.149		3.0	20.0
2,4-Dinitrophenol	0.123	0.138	0.050	12.2	
4-Nitrophenol	0.246	0.255	0.050	3.7	
Dibenzofuran	1.625	1.706		5.0	
2,4-Dinitrotoluene	0.357	0.417		16.8	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.260	1.418		12.5	
4-Chlorophenyl-phenylether	0.607	0.642		5.8	
Fluorene	1.217	1.294		6.3	
4-Nitroaniline	0.317	0.331		4.4	
4,6-Dinitro-2-methylphenol	0.099	0.115		16.2	
n-Nitrosodiphenylamine	0.603	0.624		3.5	20.0
2,4,6-Tribromophenol	0.213	0.230		8.0	
4-Bromophenyl-phenylether	0.210	0.227		8.1	
Hexachlorobenzene	0.224	0.238		6.3	
Atrazine	0.164	0.161		-1.8	
Pentachlorophenol	0.144	0.150		4.2	20.0
Phenanthrene	1.007	1.046		3.9	
Anthracene	1.032	1.095		6.1	
Carbazole	0.897	0.920		2.6	
Di-n-butylphthalate	1.025	1.097		7.0	
Fluoranthene	1.035	1.057		2.1	20.0
Pyrene	1.763	2.060		16.8	
Terphenyl-d14	1.287	1.521		18.2	
Butylbenzylphthalate	0.631	0.713		13.0	
3,3-Dichlorobenzidine	0.423	0.447		5.7	
Benzo(a)anthracene	1.324	1.394		5.3	
Chrysene	1.304	1.333		2.2	
Bis(2-ethylhexyl)phthalate	0.735	0.779		6.0	
Di-n-octyl phthalate	1.102	1.114		1.1	20.0
Benzo(b)fluoranthene	1.183	1.176		-0.6	
Benzo(k)fluoranthene	1.171	1.072		-8.5	
Benzo(a)pyrene	1.100	1.110		0.9	20.0
Indeno(1,2,3-cd)pyrene	1.307	1.535		17.4	
Dibenzo(a,h)anthracene	1.071	1.263		17.9	
Benzo(g,h,i)perylene	1.105	1.276		15.5	
1,2,4,5-Tetrachlorobenzene	0.570	0.601		5.4	
1,4-Dioxane	0.554	0.512		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.342	0.362		5.8	

All other compounds must meet a minimum RRF of 0.010.