



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: BNA_F Calibration Date/Time: 05/03/2023 11:25

Lab File ID: BF133200.D Init. Calib. Date(s): 04/21/2023 04/21/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:11 16:50

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.324	1.270		-4.1	
Benzaldehyde	0.791	0.761		-3.8	
Phenol-d6	1.643	1.567		-4.6	
Phenol	1.813	1.672		-7.8	20.0
bis(2-Chloroethyl) ether	1.360	1.262		-7.2	
2-Chlorophenol	1.344	1.305		-2.9	
2-Methylphenol	1.231	1.179		-4.2	
2,2-oxybis(1-Chloropropane)	2.363	2.055		-13.0	
Acetophenone	0.463	0.442		-4.5	
3+4-Methylphenols	1.450	1.354		-6.6	
n-Nitroso-di-n-propylamine	1.023	0.856	0.050	-16.3	
Nitrobenzene-d5	0.371	0.356		-4.0	
Hexachloroethane	0.498	0.467		-6.2	
Nitrobenzene	0.375	0.363		-3.2	
Isophorone	0.704	0.657		-6.7	
2-Nitrophenol	0.181	0.190		5.0	20.0
2,4-Dimethylphenol	0.311	0.304		-2.3	
bis(2-Chloroethoxy) methane	0.416	0.390		-6.3	
2,4-Dichlorophenol	0.283	0.279		-1.4	20.0
Naphthalene	1.000	0.971		-2.9	
4-Chloroaniline	0.404	0.424		4.9	
Hexachlorobutadiene	0.162	0.155		-4.3	20.0
Caprolactam	0.095	0.104		9.5	
4-Chloro-3-methylphenol	0.305	0.305		0.0	20.0
2-Methylnaphthalene	0.684	0.661		-3.4	
Hexachlorocyclopentadiene	0.314	0.279	0.050	-11.1	
2,4,6-Trichlorophenol	0.372	0.354		-4.8	20.0
2-Fluorobiphenyl	1.195	1.150		-3.8	
2,4,5-Trichlorophenol	0.430	0.423		-1.6	
1,1-Biphenyl	1.586	1.487		-6.2	
2-Chloronaphthalene	1.161	1.110		-4.4	
2-Nitroaniline	0.384	0.386		0.5	
Dimethylphthalate	1.395	1.361		-2.4	
Acenaphthylene	1.855	1.805		-2.7	
2,6-Dinitrotoluene	0.314	0.318		1.3	
3-Nitroaniline	0.373	0.395		5.9	
Acenaphthene	1.242	1.196		-3.7	20.0
2,4-Dinitrophenol	0.158	0.169	0.050	7.0	
4-Nitrophenol	0.289	0.276	0.050	-4.5	
Dibenzofuran	1.695	1.623		-4.2	
2,4-Dinitrotoluene	0.400	0.425		6.3	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.317	1.293		-1.8	
4-Chlorophenyl-phenylether	0.605	0.569		-5.9	
Fluorene	1.241	1.201		-3.2	
4-Nitroaniline	0.343	0.387		12.8	
4,6-Dinitro-2-methylphenol	0.121	0.132		9.1	
n-Nitrosodiphenylamine	0.649	0.612		-5.7	20.0
2,4,6-Tribromophenol	0.201	0.197		-2.0	
4-Bromophenyl-phenylether	0.217	0.198		-8.8	
Hexachlorobenzene	0.222	0.205		-7.7	
Atrazine	0.187	0.185		-1.1	
Pentachlorophenol	0.158	0.145		-8.2	20.0
Phenanthrene	1.075	0.999		-7.1	
Anthracene	1.100	1.048		-4.7	
Carbazole	0.980	0.953		-2.8	
Di-n-butylphthalate	1.109	1.102		-0.6	
Fluoranthene	1.079	1.050		-2.7	20.0
Pyrene	1.714	1.577		-8.0	
Terphenyl-d14	1.160	1.033		-10.9	
Butylbenzylphthalate	0.607	0.685		12.9	
3,3-Dichlorobenzidine	0.380	0.420		10.5	
Benzo(a)anthracene	1.375	1.268		-7.8	
Chrysene	1.375	1.277		-7.1	
Bis(2-ethylhexyl)phthalate	0.762	0.787		3.3	
Di-n-octyl phthalate	1.242	1.319		6.2	20.0
Benzo(b)fluoranthene	1.272	1.254		-1.4	
Benzo(k)fluoranthene	1.261	1.214		-3.7	
Benzo(a)pyrene	1.158	1.130		-2.4	20.0
Indeno(1,2,3-cd)pyrene	1.138	1.220		7.2	
Dibenzo(a,h)anthracene	0.949	1.023		7.8	
Benzo(g,h,i)perylene	0.937	1.051		12.2	
1,2,4,5-Tetrachlorobenzene	0.538	0.506		-5.9	
1,4-Dioxane	0.614	0.595		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.333	0.323		-3.0	

All other compounds must meet a minimum RRF of 0.010.