



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.: 02505 SAS No.: 02505 SDG No.: 02505

Instrument ID: BNA_F Calibration Date/Time: 05/09/2023 10:04

Lab File ID: BF133309.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	1.233		-6.9	
Benzaldehyde	0.791	0.721		-8.9	
Phenol-d6	1.643	1.498		-8.8	
Phenol	1.813	1.594		-12.1	20.0
bis(2-Chloroethyl) ether	1.360	1.237		-9.0	
2-Chlorophenol	1.344	1.261		-6.2	
2-Methylphenol	1.231	1.125		-8.6	
2,2-oxybis(1-Chloropropane)	2.363	1.945		-17.7	
Acetophenone	0.463	0.435		-6.0	
3+4-Methylphenols	1.450	1.319		-9.0	
n-Nitroso-di-n-propylamine	1.023	0.829	0.050	-19.0	
Nitrobenzene-d5	0.371	0.348		-6.2	
Hexachloroethane	0.498	0.469		-5.8	
Nitrobenzene	0.375	0.354		-5.6	
Isophorone	0.704	0.642		-8.8	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.311	0.296		-4.8	
bis(2-Chloroethoxy) methane	0.416	0.383		-7.9	
2,4-Dichlorophenol	0.283	0.275		-2.8	20.0
Naphthalene	1.000	0.953		-4.7	
4-Chloroaniline	0.404	0.408		1.0	
Hexachlorobutadiene	0.162	0.157		-3.1	20.0
Caprolactam	0.095	0.093		-2.1	
4-Chloro-3-methylphenol	0.305	0.293		-3.9	20.0
2-Methylnaphthalene	0.684	0.641		-6.3	
Hexachlorocyclopentadiene	0.314	0.251	0.050	-20.1	
2,4,6-Trichlorophenol	0.372	0.346		-7.0	20.0
2-Fluorobiphenyl	1.195	1.114		-6.8	
2,4,5-Trichlorophenol	0.430	0.405		-5.8	
1,1-Biphenyl	1.586	1.463		-7.8	
2-Chloronaphthalene	1.161	1.093		-5.9	
2-Nitroaniline	0.384	0.360		-6.3	
Dimethylphthalate	1.395	1.303		-6.6	
Acenaphthylene	1.855	1.722		-7.2	
2,6-Dinitrotoluene	0.314	0.299		-4.8	
3-Nitroaniline	0.373	0.360		-3.5	
Acenaphthene	1.242	1.144		-7.9	20.0
2,4-Dinitrophenol	0.158	0.138	0.050	-12.7	
4-Nitrophenol	0.289	0.243	0.050	-15.9	
Dibenzofuran	1.695	1.545		-8.9	
2,4-Dinitrotoluene	0.400	0.387		-3.3	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.317	1.226		-6.9	
4-Chlorophenyl-phenylether	0.605	0.558		-7.8	
Fluorene	1.241	1.144		-7.8	
4-Nitroaniline	0.343	0.345		0.6	
4,6-Dinitro-2-methylphenol	0.121	0.125		3.3	
n-Nitrosodiphenylamine	0.649	0.604		-6.9	20.0
2,4,6-Tribromophenol	0.201	0.179		-10.9	
4-Bromophenyl-phenylether	0.217	0.202		-6.9	
Hexachlorobenzene	0.222	0.203		-8.6	
Atrazine	0.187	0.180		-3.7	
Pentachlorophenol	0.158	0.131		-17.1	20.0
Phenanthrene	1.075	0.996		-7.3	
Anthracene	1.100	1.014		-7.8	
Carbazole	0.980	0.904		-7.8	
Di-n-butylphthalate	1.109	1.094		-1.4	
Fluoranthene	1.079	0.972		-9.9	20.0
Pyrene	1.714	1.740		1.5	
Terphenyl-d14	1.160	1.140		-1.7	
Butylbenzylphthalate	0.607	0.713		17.5	
3,3-Dichlorobenzidine	0.380	0.376		-1.1	
Benzo(a)anthracene	1.375	1.246		-9.4	
Chrysene	1.375	1.249		-9.2	
Bis(2-ethylhexyl)phthalate	0.762	0.764		0.3	
Di-n-octyl phthalate	1.242	1.184		-4.7	20.0
Benzo(b)fluoranthene	1.272	1.214		-4.6	
Benzo(k)fluoranthene	1.261	1.129		-10.5	
Benzo(a)pyrene	1.158	1.114		-3.8	20.0
Indeno(1,2,3-cd)pyrene	1.138	1.319		15.9	
Dibenzo(a,h)anthracene	0.949	1.094		15.3	
Benzo(g,h,i)perylene	0.937	1.109		18.4	
1,2,4,5-Tetrachlorobenzene	0.538	0.501		-6.9	
1,4-Dioxane	0.614	0.560		-8.8	20.0
2,3,4,6-Tetrachlorophenol	0.333	0.303		-9.0	

All other compounds must meet a minimum RRF of 0.010.