



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: 01232 SAS No.: 01232 SDG No.: 01232

Instrument ID: BNA_G Calibration Date/Time: 01/20/2023 11:44

Lab File ID: BG056363.D Init. Calib. Date(s): 12/27/2022 12/27/2022

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:55 19:42

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.120	1.128		0.7	
Benzaldehyde	1.023	1.075		5.1	
Phenol-d6	1.720	1.621		-5.8	
Phenol	1.745	1.643		-5.8	20.0
bis(2-Chloroethyl) ether	1.182	1.148		-2.9	
2-Chlorophenol	1.115	1.174		5.3	
2-Methylphenol	1.280	1.277		-0.2	
2,2-oxybis(1-Chloropropane)	0.209	0.242		15.8	
Acetophenone	0.566	0.529		-6.5	
3+4-Methylphenols	1.800	1.743		-3.2	
n-Nitroso-di-n-propylamine	1.046	0.924	0.050	-11.7	
Nitrobenzene-d5	0.391	0.363		-7.2	
Hexachloroethane	0.414	0.435		5.1	
Nitrobenzene	0.387	0.355		-8.3	
Isophorone	0.823	0.721		-12.4	
2-Nitrophenol	0.198	0.207		4.5	20.0
2,4-Dimethylphenol	0.362	0.358		-1.1	
bis(2-Chloroethoxy) methane	0.428	0.411		-4.0	
2,4-Dichlorophenol	0.400	0.404		1.0	20.0
Naphthalene	1.053	1.086		3.1	
4-Chloroaniline	0.503	0.493		-2.0	
Hexachlorobutadiene	0.326	0.332		1.8	20.0
Caprolactam	0.135	0.123		-8.9	
4-Chloro-3-methylphenol	0.406	0.380		-6.4	20.0
2-Methylnaphthalene	0.889	0.881		-0.9	
Hexachlorocyclopentadiene	0.427	0.408	0.050	-4.4	
2,4,6-Trichlorophenol	0.496	0.499		0.6	20.0
2-Fluorobiphenyl	1.448	1.497		3.4	
2,4,5-Trichlorophenol	0.586	0.583		-0.5	
1,1-Biphenyl	1.432	1.484		3.6	
2-Chloronaphthalene	1.131	1.163		2.8	
2-Nitroaniline	0.241	0.239		-0.8	
Dimethylphthalate	1.615	1.581		-2.1	
Acenaphthylene	1.840	1.901		3.3	
2,6-Dinitrotoluene	0.344	0.348		1.2	
3-Nitroaniline	0.327	0.340		4.0	
Acenaphthene	1.197	1.227		2.5	20.0
2,4-Dinitrophenol	0.246	0.231	0.050	-6.1	
4-Nitrophenol	0.252	0.249	0.050	-1.2	
Dibenzofuran	1.980	1.989		0.5	
2,4-Dinitrotoluene	0.481	0.489		1.7	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.499		-1.0	
4-Chlorophenyl-phenylether	0.994	0.986		-0.8	
Fluorene	1.593	1.567		-1.6	
4-Nitroaniline	0.335	0.347		3.6	
4,6-Dinitro-2-methylphenol	0.135	0.145		7.4	
n-Nitrosodiphenylamine	0.555	0.591		6.5	20.0
2,4,6-Tribromophenol	0.253	0.271		7.1	
4-Bromophenyl-phenylether	0.255	0.270		5.9	
Hexachlorobenzene	0.238	0.261		9.2	
Atrazine	0.230	0.236		2.6	
Pentachlorophenol	0.183	0.167		-8.7	20.0
Phenanthrene	1.036	1.068		3.1	
Anthracene	1.069	1.099		2.8	
Carbazole	0.899	0.920		2.3	
Di-n-butylphthalate	0.896	0.973		8.6	
Fluoranthene	1.352	1.325		-2.0	20.0
Pyrene	1.410	1.469		4.2	
Terphenyl-d14	1.117	1.181		5.7	
Butylbenzylphthalate	0.404	0.441		9.2	
3,3-Dichlorobenzidine	0.506	0.515		1.8	
Benzo(a)anthracene	1.405	1.426		1.5	
Chrysene	1.316	1.357		3.1	
Bis(2-ethylhexyl)phthalate	0.583	0.616		5.7	
Di-n-octyl phthalate	0.984	1.036		5.3	20.0
Benzo(b)fluoranthene	1.271	1.308		2.9	
Benzo(k)fluoranthene	1.265	1.286		1.7	
Benzo(a)pyrene	1.239	1.267		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.455	1.521		4.5	
Dibenzo(a,h)anthracene	1.219	1.272		4.3	
Benzo(g,h,i)perylene	1.183	1.237		4.6	
1,2,4,5-Tetrachlorobenzene	0.750	0.775		3.3	
1,4-Dioxane	0.512	0.458		-10.5	20.0
2,3,4,6-Tetrachlorophenol	0.551	0.526		-4.5	

All other compounds must meet a minimum RRF of 0.010.