



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.: 01233 SAS No.: 01233 SDG No.: 01233

Instrument ID: BNA_G Calibration Date/Time: 01/23/2023 11:41

Lab File ID: BG056380.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	1.132		1.1	
Benzaldehyde	1.023	0.872		-14.8	
Phenol-d6	1.720	1.744		1.4	
Phenol	1.745	1.758		0.7	20.0
bis(2-Chloroethyl)ether	1.182	1.213		2.6	
2-Chlorophenol	1.115	1.201		7.7	
2-Methylphenol	1.280	1.321		3.2	
2,2-oxybis(1-Chloropropane)	0.209	0.293		40.2	
Acetophenone	0.566	0.559		-1.2	
3+4-Methylphenols	1.800	1.881		4.5	
n-Nitroso-di-n-propylamine	1.046	1.021	0.050	-2.4	
Nitrobenzene-d5	0.391	0.386		-1.3	
Hexachloroethane	0.414	0.443		7.0	
Nitrobenzene	0.387	0.377		-2.6	
Isophorone	0.823	0.791		-3.9	
2-Nitrophenol	0.198	0.207		4.5	20.0
2,4-Dimethylphenol	0.362	0.362		0.0	
bis(2-Chloroethoxy)methane	0.428	0.424		-0.9	
2,4-Dichlorophenol	0.400	0.401		0.3	20.0
Naphthalene	1.053	1.098		4.3	
4-Chloroaniline	0.503	0.527		4.8	
Hexachlorobutadiene	0.326	0.297		-8.9	20.0
Caprolactam	0.135	0.146		8.1	
4-Chloro-3-methylphenol	0.406	0.419		3.2	20.0
2-Methylnaphthalene	0.889	0.891		0.2	
Hexachlorocyclopentadiene	0.427	0.348	0.050	-18.5	
2,4,6-Trichlorophenol	0.496	0.488		-1.6	20.0
2-Fluorobiphenyl	1.448	1.434		-1.0	
2,4,5-Trichlorophenol	0.586	0.576		-1.7	
1,1-Biphenyl	1.432	1.478		3.2	
2-Chloronaphthalene	1.131	1.161		2.7	
2-Nitroaniline	0.241	0.275		14.1	
Dimethylphthalate	1.615	1.659		2.7	
Acenaphthylene	1.840	1.914		4.0	
2,6-Dinitrotoluene	0.344	0.365		6.1	
3-Nitroaniline	0.327	0.367		12.2	
Acenaphthene	1.197	1.258		5.1	20.0
2,4-Dinitrophenol	0.246	0.234	0.050	-4.9	
4-Nitrophenol	0.252	0.260	0.050	3.2	
Dibenzofuran	1.980	2.038		2.9	
2,4-Dinitrotoluene	0.481	0.526		9.4	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.514	1.580		4.4	
4-Chlorophenyl-phenylether	0.994	0.999		0.5	
Fluorene	1.593	1.630		2.3	
4-Nitroaniline	0.335	0.371		10.7	
4,6-Dinitro-2-methylphenol	0.135	0.142		5.2	
n-Nitrosodiphenylamine	0.555	0.581		4.7	20.0
2,4,6-Tribromophenol	0.253	0.268		5.9	
4-Bromophenyl-phenylether	0.255	0.261		2.4	
Hexachlorobenzene	0.238	0.252		5.9	
Atrazine	0.230	0.230		0.0	
Pentachlorophenol	0.183	0.160		-12.6	20.0
Phenanthrene	1.036	1.065		2.8	
Anthracene	1.069	1.095		2.4	
Carbazole	0.899	0.921		2.4	
Di-n-butylphthalate	0.896	0.949		5.9	
Fluoranthene	1.352	1.259		-6.9	20.0
Pyrene	1.410	1.502		6.5	
Terphenyl-d14	1.117	1.177		5.4	
Butylbenzylphthalate	0.404	0.436		7.9	
3,3-Dichlorobenzidine	0.506	0.512		1.2	
Benzo(a)anthracene	1.405	1.445		2.8	
Chrysene	1.316	1.353		2.8	
Bis(2-ethylhexyl)phthalate	0.583	0.620		6.3	
Di-n-octyl phthalate	0.984	1.042		5.9	20.0
Benzo(b)fluoranthene	1.271	1.279		0.6	
Benzo(k)fluoranthene	1.265	1.269		0.3	
Benzo(a)pyrene	1.239	1.250		0.9	20.0
Indeno(1,2,3-cd)pyrene	1.455	1.493		2.5	
Dibenzo(a,h)anthracene	1.219	1.257		3.1	
Benzo(g,h,i)perylene	1.183	1.213		2.5	
1,2,4,5-Tetrachlorobenzene	0.750	0.733		-2.3	
1,4-Dioxane	0.512	0.460		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.551	0.508		-7.8	

All other compounds must meet a minimum RRF of 0.010.