



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: BNA_G Calibration Date/Time: 08/02/2023 08:34

Lab File ID: BG058569.D Init. Calib. Date(s): 07/28/2023 07/28/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:21 14:09

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.309	1.312		0.2	
Benzaldehyde	0.989	0.906		-8.4	
Phenol-d6	1.821	1.850		1.6	
Phenol	1.779	1.803		1.3	20.0
bis(2-Chloroethyl) ether	1.402	1.449		3.4	
2-Chlorophenol	1.284	1.306		1.7	
2-Methylphenol	1.300	1.303		0.2	
2,2-oxybis(1-Chloropropane)	2.278	2.289		0.5	
Acetophenone	0.536	0.527		-1.7	
3+4-Methylphenols	1.759	1.842		4.7	
n-Nitroso-di-n-propylamine	1.176	1.200	0.050	2.0	
Nitrobenzene-d5	0.407	0.396		-2.7	
Hexachloroethane	0.500	0.492		-1.6	
Nitrobenzene	0.414	0.399		-3.6	
Isophorone	0.841	0.816		-3.0	
2-Nitrophenol	0.180	0.173		-3.9	20.0
2,4-Dimethylphenol	0.299	0.296		-1.0	
bis(2-Chloroethoxy) methane	0.458	0.449		-2.0	
2,4-Dichlorophenol	0.310	0.301		-2.9	20.0
Naphthalene	1.054	1.016		-3.6	
4-Chloroaniline	0.445	0.453		1.8	
Hexachlorobutadiene	0.230	0.216		-6.1	20.0
Caprolactam	0.115	0.125		8.7	
4-Chloro-3-methylphenol	0.384	0.371		-3.4	20.0
2-Methylnaphthalene	0.754	0.721		-4.4	
Hexachlorocyclopentadiene	0.236	0.213	0.050	-9.7	
2,4,6-Trichlorophenol	0.422	0.402		-4.7	20.0
2-Fluorobiphenyl	1.335	1.270		-4.9	
2,4,5-Trichlorophenol	0.497	0.470		-5.4	
1,1-Biphenyl	1.374	1.304		-5.1	
2-Chloronaphthalene	1.071	1.014		-5.3	
2-Nitroaniline	0.409	0.407		-0.5	
Dimethylphthalate	1.502	1.489		-0.9	
Acenaphthylene	1.793	1.719		-4.1	
2,6-Dinitrotoluene	0.330	0.326		-1.2	
3-Nitroaniline	0.330	0.355		7.6	
Acenaphthene	1.036	0.997		-3.8	20.0
2,4-Dinitrophenol	0.150	0.171	0.050	14.0	
4-Nitrophenol	0.222	0.260	0.050	17.1	
Dibenzofuran	1.780	1.720		-3.4	
2,4-Dinitrotoluene	0.457	0.484		5.9	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.530	1.606		5.0	
4-Chlorophenyl-phenylether	0.788	0.761		-3.4	
Fluorene	1.414	1.385		-2.1	
4-Nitroaniline	0.312	0.381		22.1	
4,6-Dinitro-2-methylphenol	0.110	0.115		4.5	
n-Nitrosodiphenylamine	0.521	0.476		-8.6	20.0
2,4,6-Tribromophenol	0.328	0.327		-0.3	
4-Bromophenyl-phenylether	0.227	0.203		-10.6	
Hexachlorobenzene	0.240	0.214		-10.8	
Atrazine	0.176	0.185		5.1	
Pentachlorophenol	0.145	0.148		2.1	20.0
Phenanthrene	0.948	0.902		-4.9	
Anthracene	0.973	0.929		-4.5	
Carbazole	0.858	0.897		4.5	
Di-n-butylphthalate	1.075	1.187		10.4	
Fluoranthene	1.139	1.215		6.7	20.0
Pyrene	1.361	1.313		-3.5	
Terphenyl-d14	1.064	1.021		-4.0	
Butylbenzylphthalate	0.559	0.555		-0.7	
3,3-Dichlorobenzidine	0.465	0.475		2.2	
Benzo(a)anthracene	1.376	1.326		-3.6	
Chrysene	1.320	1.268		-3.9	
Bis(2-ethylhexyl)phthalate	0.817	0.810		-0.9	
Di-n-octyl phthalate	1.436	1.438		0.1	20.0
Benzo(b)fluoranthene	1.085	1.055		-2.8	
Benzo(k)fluoranthene	1.090	1.068		-2.0	
Benzo(a)pyrene	1.065	1.043		-2.1	20.0
Indeno(1,2,3-cd)pyrene	1.331	1.286		-3.4	
Dibenzo(a,h)anthracene	1.100	1.065		-3.2	
Benzo(g,h,i)perylene	1.103	1.070		-3.0	
1,2,4,5-Tetrachlorobenzene	0.614	0.577		-6.0	
1,4-Dioxane	0.634	0.617		-2.7	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.411		-3.1	

All other compounds must meet a minimum RRF of 0.010.