



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_F Calibration Date/Time: 07/28/2023 16:29

Lab File ID: BF134518.D Init. Calib. Date(s): 07/24/2023 07/24/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:46 17:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.211	1.173		-3.1	
Benzaldehyde	0.794	0.729		-8.2	
Phenol-d6	1.483	1.415		-4.6	
Phenol	1.543	1.479		-4.1	20.0
bis(2-Chloroethyl)ether	1.077	1.099		2.0	
2-Chlorophenol	1.226	1.159		-5.5	
2-Methylphenol	1.094	1.036		-5.3	
2,2-oxybis(1-Chloropropane)	1.586	1.740		9.7	
Acetophenone	0.497	0.444		-10.7	
3+4-Methylphenols	1.400	1.315		-6.1	
n-Nitroso-di-n-propylamine	0.923	0.934	0.050	1.2	
Nitrobenzene-d5	0.395	0.352		-10.9	
Hexachloroethane	0.521	0.471		-9.6	
Nitrobenzene	0.393	0.357		-9.2	
Isophorone	0.659	0.653		-0.9	
2-Nitrophenol	0.181	0.174		-3.9	20.0
2,4-Dimethylphenol	0.285	0.269		-5.6	
bis(2-Chloroethoxy)methane	0.367	0.368		0.3	
2,4-Dichlorophenol	0.285	0.268		-6.0	20.0
Naphthalene	0.995	0.914		-8.1	
4-Chloroaniline	0.411	0.396		-3.7	
Hexachlorobutadiene	0.206	0.180		-12.6	20.0
Caprolactam	0.087	0.092		5.7	
4-Chloro-3-methylphenol	0.329	0.315		-4.3	20.0
2-Methylnaphthalene	0.692	0.656		-5.2	
Hexachlorocyclopentadiene	0.152	0.159	0.050	4.6	
2,4,6-Trichlorophenol	0.407	0.369		-9.3	20.0
2-Fluorobiphenyl	1.523	1.311		-14.0	
2,4,5-Trichlorophenol	0.474	0.424		-10.5	
1,1-Biphenyl	1.648	1.449		-12.1	
2-Chloronaphthalene	1.215	1.061		-12.7	
2-Nitroaniline	0.438	0.391		-10.7	
Dimethylphthalate	1.483	1.367		-7.8	
Acenaphthylene	2.053	1.793		-12.7	
2,6-Dinitrotoluene	0.325	0.300		-7.7	
3-Nitroaniline	0.373	0.344		-7.8	
Acenaphthene	1.213	1.072		-11.6	20.0
2,4-Dinitrophenol	0.143	0.135	0.050	-5.6	
4-Nitrophenol	0.199	0.196	0.050	-1.5	
Dibenzofuran	1.867	1.651		-11.6	
2,4-Dinitrotoluene	0.437	0.392		-10.3	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.535	1.478		-3.7	
4-Chlorophenyl-phenylether	0.719	0.666		-7.4	
Fluorene	1.506	1.366		-9.3	
4-Nitroaniline	0.383	0.327		-14.6	
4,6-Dinitro-2-methylphenol	0.115	0.108		-6.1	
n-Nitrosodiphenylamine	0.636	0.579		-9.0	20.0
2,4,6-Tribromophenol	0.284	0.259		-8.8	
4-Bromophenyl-phenylether	0.219	0.203		-7.3	
Hexachlorobenzene	0.247	0.222		-10.1	
Atrazine	0.177	0.164		-7.3	
Pentachlorophenol	0.104	0.105		1.0	20.0
Phenanthrene	1.045	0.915		-12.4	
Anthracene	1.079	0.945		-12.4	
Carbazole	1.016	0.881		-13.3	
Di-n-butylphthalate	1.166	1.125		-3.5	
Fluoranthene	1.218	1.018		-16.4	20.0
Pyrene	1.590	1.553		-2.3	
Terphenyl-d14	1.146	1.106		-3.5	
Butylbenzylphthalate	0.637	0.659		3.5	
3,3-Dichlorobenzidine	0.442	0.368		-16.7	
Benzo(a)anthracene	1.395	1.232		-11.7	
Chrysene	1.335	1.187		-11.1	
Bis(2-ethylhexyl)phthalate	0.774	0.863		11.5	
Di-n-octyl phthalate	1.075	1.220		13.5	20.0
Benzo(b)fluoranthene	1.251	1.180		-5.7	
Benzo(k)fluoranthene	1.230	1.121		-8.9	
Benzo(a)pyrene	1.157	1.032		-10.8	20.0
Indeno(1,2,3-cd)pyrene	1.307	1.156		-11.6	
Dibenzo(a,h)anthracene	1.055	0.957		-9.3	
Benzo(g,h,i)perylene	1.083	0.966		-10.8	
1,2,4,5-Tetrachlorobenzene	0.634	0.552		-12.9	
1,4-Dioxane	0.513	0.415		-19.1	20.0
2,3,4,6-Tetrachlorophenol	0.364	0.351		-3.6	

All other compounds must meet a minimum RRF of 0.010.