



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: 08/01/2023 14:27

Lab File ID: BF134547.D Init. Calib. Date(s): 08/01/2023 08/01/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 07:51 11:47

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.316	1.223		-7.1	
Benzaldehyde	0.917	0.752		-18.0	
Phenol-d6	1.682	1.592		-5.4	
Phenol	1.657	1.566		-5.5	20.0
bis(2-Chloroethyl) ether	1.317	1.262		-4.2	
2-Chlorophenol	1.327	1.292		-2.6	
2-Methylphenol	1.173	1.131		-3.6	
2,2-oxybis(1-Chloropropane)	2.063	1.983		-3.9	
Acetophenone	0.462	0.421		-8.9	
3+4-Methylphenols	1.414	1.345		-4.9	
n-Nitroso-di-n-propylamine	1.007	0.939	0.050	-6.8	
Nitrobenzene-d5	0.320	0.333		4.1	
Hexachloroethane	0.483	0.477		-1.2	
Nitrobenzene	0.346	0.350		1.2	
Isophorone	0.698	0.655		-6.2	
2-Nitrophenol	0.122	0.147		20.5	20.0
2,4-Dimethylphenol	0.311	0.295		-5.1	
bis(2-Chloroethoxy) methane	0.418	0.397		-5.0	
2,4-Dichlorophenol	0.283	0.270		-4.6	20.0
Naphthalene	1.005	0.928		-7.7	
4-Chloroaniline	0.448	0.409		-8.7	
Hexachlorobutadiene	0.174	0.165		-5.2	20.0
Caprolactam	0.091	0.087		-4.4	
4-Chloro-3-methylphenol	0.299	0.284		-5.0	20.0
2-Methylnaphthalene	0.666	0.621		-6.8	
Hexachlorocyclopentadiene	0.283	0.291	0.050	2.8	
2,4,6-Trichlorophenol	0.381	0.373		-2.1	20.0
2-Fluorobiphenyl	1.203	1.132		-5.9	
2,4,5-Trichlorophenol	0.435	0.430		-1.1	
1,1-Biphenyl	1.555	1.466		-5.7	
2-Chloronaphthalene	1.165	1.093		-6.2	
2-Nitroaniline	0.316	0.362		14.6	
Dimethylphthalate	1.363	1.295		-5.0	
Acenaphthylene	1.832	1.718		-6.2	
2,6-Dinitrotoluene	0.248	0.279		12.5	
3-Nitroaniline	0.304	0.331		8.9	
Acenaphthene	1.187	1.129		-4.9	20.0
2,4-Dinitrophenol	0.079	0.089	0.050	12.7	
4-Nitrophenol	0.248	0.250	0.050	0.8	
Dibenzofuran	1.690	1.581		-6.4	
2,4-Dinitrotoluene	0.292	0.345		18.2	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.292	1.240		-4.0	
4-Chlorophenyl-phenylether	0.605	0.560		-7.4	
Fluorene	1.231	1.118		-9.2	
4-Nitroaniline	0.298	0.315		5.7	
4,6-Dinitro-2-methylphenol	0.069	0.076		10.1	
n-Nitrosodiphenylamine	0.637	0.604		-5.2	20.0
2,4,6-Tribromophenol	0.204	0.206		1.0	
4-Bromophenyl-phenylether	0.219	0.210		-4.1	
Hexachlorobenzene	0.231	0.219		-5.2	
Atrazine	0.172	0.170		-1.2	
Pentachlorophenol	0.143	0.152		6.3	20.0
Phenanthrene	1.062	0.995		-6.3	
Anthracene	1.085	1.004		-7.5	
Carbazole	0.969	0.896		-7.5	
Di-n-butylphthalate	1.029	1.012		-1.7	
Fluoranthene	1.122	1.038		-7.5	20.0
Pyrene	1.731	1.672		-3.4	
Terphenyl-d14	1.135	1.091		-3.9	
Butylbenzylphthalate	0.585	0.625		6.8	
3,3-Dichlorobenzidine	0.415	0.407		-1.9	
Benzo(a)anthracene	1.430	1.385		-3.1	
Chrysene	1.393	1.339		-3.9	
Bis(2-ethylhexyl)phthalate	0.689	0.716		3.9	
Di-n-octyl phthalate	1.047	1.095		4.6	20.0
Benzo(b)fluoranthene	1.220	1.171		-4.0	
Benzo(k)fluoranthene	1.215	1.195		-1.6	
Benzo(a)pyrene	1.137	1.101		-3.2	20.0
Indeno(1,2,3-cd)pyrene	1.176	1.164		-1.0	
Dibenzo(a,h)anthracene	0.951	0.962		1.2	
Benzo(g,h,i)perylene	0.970	0.963		-0.7	
1,2,4,5-Tetrachlorobenzene	0.582	0.543		-6.7	
1,4-Dioxane	0.605	0.560		-7.4	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.338		-1.7	

All other compounds must meet a minimum RRF of 0.010.