



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: 07/19/2023 13:01

Lab File ID: BF134355.D Init. Calib. Date(s): 06/26/2023 06/26/2023

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:19 19:21

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.196	1.187		-0.8	
Benzaldehyde	0.886	0.819		-7.6	
Phenol-d6	1.470	1.450		-1.4	
Phenol	1.546	1.519		-1.7	20.0
bis(2-Chloroethyl) ether	1.138	1.085		-4.7	
2-Chlorophenol	1.214	1.220		0.5	
2-Methylphenol	1.087	1.057		-2.8	
2,2-oxybis(1-Chloropropane)	2.014	1.599		-20.6	
Acetophenone	0.455	0.488		7.3	
3+4-Methylphenols	1.319	1.374		4.2	
n-Nitroso-di-n-propylamine	0.932	0.921	0.050	-1.2	
Nitrobenzene-d5	0.371	0.397		7.0	
Hexachloroethane	0.485	0.503		3.7	
Nitrobenzene	0.375	0.383		2.1	
Isophorone	0.674	0.673		-0.1	
2-Nitrophenol	0.180	0.188		4.4	20.0
2,4-Dimethylphenol	0.285	0.286		0.4	
bis(2-Chloroethoxy) methane	0.390	0.378		-3.1	
2,4-Dichlorophenol	0.282	0.287		1.8	20.0
Naphthalene	0.966	0.982		1.7	
4-Chloroaniline	0.413	0.420		1.7	
Hexachlorobutadiene	0.184	0.210		14.1	20.0
Caprolactam	0.093	0.086		-7.5	
4-Chloro-3-methylphenol	0.317	0.331		4.4	20.0
2-Methylnaphthalene	0.683	0.698		2.2	
Hexachlorocyclopentadiene	0.281	0.306	0.050	8.9	
2,4,6-Trichlorophenol	0.403	0.404		0.2	20.0
2-Fluorobiphenyl	1.376	1.487		8.1	
2,4,5-Trichlorophenol	0.474	0.470		-0.8	
1,1-Biphenyl	1.604	1.636		2.0	
2-Chloronaphthalene	1.174	1.179		0.4	
2-Nitroaniline	0.428	0.427		-0.2	
Dimethylphthalate	1.452	1.461		0.6	
Acenaphthylene	2.005	1.994		-0.5	
2,6-Dinitrotoluene	0.313	0.320		2.2	
3-Nitroaniline	0.375	0.356		-5.1	
Acenaphthene	1.164	1.184		1.7	20.0
2,4-Dinitrophenol	0.162	0.173	0.050	6.8	
4-Nitrophenol	0.262	0.212	0.050	-19.1	
Dibenzofuran	1.818	1.814		-0.2	
2,4-Dinitrotoluene	0.413	0.427		3.4	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.513	1.539		1.7	
4-Chlorophenyl-phenylether	0.682	0.714		4.7	
Fluorene	1.415	1.449		2.4	
4-Nitroaniline	0.378	0.363		-4.0	
4,6-Dinitro-2-methylphenol	0.109	0.119		9.2	
n-Nitrosodiphenylamine	0.639	0.641		0.3	20.0
2,4,6-Tribromophenol	0.251	0.288		14.7	
4-Bromophenyl-phenylether	0.213	0.228		7.0	
Hexachlorobenzene	0.226	0.243		7.5	
Atrazine	0.177	0.181		2.3	
Pentachlorophenol	0.135	0.114		-15.6	20.0
Phenanthrene	1.007	1.017		1.0	
Anthracene	1.047	1.055		0.8	
Carbazole	0.959	0.965		0.6	
Di-n-butylphthalate	1.140	1.193		4.6	
Fluoranthene	1.088	1.140		4.8	20.0
Pyrene	1.861	1.720		-7.6	
Terphenyl-d14	1.243	1.199		-3.5	
Butylbenzylphthalate	0.698	0.688		-1.4	
3,3-Dichlorobenzidine	0.439	0.437		-0.5	
Benzo(a)anthracene	1.387	1.378		-0.6	
Chrysene	1.343	1.309		-2.5	
Bis(2-ethylhexyl)phthalate	0.802	0.876		9.2	
Di-n-octyl phthalate	1.179	1.282		8.7	20.0
Benzo(b)fluoranthene	1.176	1.226		4.3	
Benzo(k)fluoranthene	1.197	1.181		-1.3	
Benzo(a)pyrene	1.137	1.125		-1.1	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.313		-5.4	
Dibenzo(a,h)anthracene	1.134	1.079		-4.8	
Benzo(g,h,i)perylene	1.169	1.060		-9.3	
1,2,4,5-Tetrachlorobenzene	0.593	0.631		6.4	
1,4-Dioxane	0.493	0.511		3.7	20.0
2,3,4,6-Tetrachlorophenol	0.374	0.367		-1.9	

All other compounds must meet a minimum RRF of 0.010.