284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG No.: Q2176

Instrument ID: BNA_F Calibration Date/Time: 06/04/2025 12:27

Lab File ID: BF142602.D Init. Calib. Date(s): 05/20/2025 05/20/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:10 15:31

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.187	1.156		-2.6	
Benzaldehyde	0.859	0.791		-7.9	
Phenol-d6	1.429	1.374		-3.8	
Phenol	1.608	1.544		-4.0	20.0
bis(2-Chloroethyl)ether	1.157	1.116		-3.5	
2-Chlorophenol	1.293	1.243		-3.9	
2-Methylphenol	1.010	0.963		-4.7	
2,2-oxybis(1-Chloropropane)	1.944	1.855		-4.6	
Acetophenone	0.443	0.408		-7.9	
3+4-Methylphenols	1.293	1.188		-8.1	
n-Nitroso-di-n-propylamine	0.886	0.792	0.050	-10.6	
Nitrobenzene-d5	0.367	0.346		-5.7	
Hexachloroethane	0.507	0.474		-6.5	
Nitrobenzene	0.331	0.315		-4.8	
Isophorone	0.613	0.561		-8.5	
2-Nitrophenol	0.177	0.169		-4.5	20.0
2,4-Dimethylphenol	0.312	0.296		-5.1	
bis(2-Chloroethoxy)methane	0.383	0.360		-6.0	
2,4-Dichlorophenol	0.283	0.274		-3.2	20.0
Naphthalene	0.985	0.937		-4.9	
4-Chloroaniline	0.399	0.381		-4.5	
Hexachlorobutadiene	0.192	0.178		-7.3	20.0
Caprolactam	0.080	0.075		-6.3	
4-Chloro-3-methylphenol	0.291	0.269		-7.6	20.0
2-Methylnaphthalene	0.620	0.571		-7.9	
Hexachlorocyclopentadiene	0.387	0.343	0.050	-11.4	
2,4,6-Trichlorophenol	0.387	0.373		-3.6	20.0
2-Fluorobiphenyl	1.490	1.357		-8.9	
2,4,5-Trichlorophenol	0.408	0.387		-5.1	
1,1-Biphenyl	1.552	1.460		-5.9	
2-Chloronaphthalene	1.146	1.090		-4.9	
2-Nitroaniline	0.331	0.319		-3.6	
Dimethylphthalate	1.320	1.228		-7.0	
Acenaphthylene	1.936	1.834		-5.3	
2,6-Dinitrotoluene	0.285	0.272		-4.6	
3-Nitroaniline	0.311	0.305		-1.9	
Acenaphthene	1.182	1.107		-6.3	20.0
2,4-Dinitrophenol	0.147	0.132	0.050	-10.2	
4-Nitrophenol	0.230	0.211	0.050	-8.3	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.701	1.600		-5.9	
2,4-Dinitrotoluene	0.372	0.358		-3.8	
Diethylphthalate	1.289	1.171		-9.2	
4-Chlorophenyl-phenylether	0.646	0.593		-8.2	
Fluorene	1.314	1.236		-5.9	
4-Nitroaniline	0.282	0.275		-2.5	
4,6-Dinitro-2-methylphenol	0.112	0.111		-0.9	
n-Nitrosodiphenylamine	0.684	0.648		-5.3	20.0
2,4,6-Tribromophenol	0.222	0.201		-9.5	
4-Bromophenyl-phenylether	0.236	0.221		-6.4	
Hexachlorobenzene	0.262	0.247		-5.7	
Atrazine	0.182	0.171		-6.0	
Pentachlorophenol	0.148	0.133		-10.1	20.0
Phenanthrene	1.069	1.000		-6.5	
Anthracene	1.091	1.035		-5.1	
Carbazole	0.933	0.886		-5.0	
Di-n-butylphthalate	1.021	0.914		-10.5	
Fluoranthene	0.999	0.923		-7.6	20.0
Pyrene	1.866	1.749		-6.3	
Terphenyl-d14	1.464	1.299		-11.3	
Butylbenzylphthalate	0.516	0.522		1.2	
3,3-Dichlorobenzidine	0.405	0.435		7.4	
Benzo(a)anthracene	1.336	1.239		-7.3	
Chrysene	1.200	1.139		-5.1	
Bis(2-ethylhexyl)phthalate	0.660	0.755		14.4	
Di-n-octyl phthalate	1.290	1.401		8.6	20.0
Benzo(b)fluoranthene	1.184	1.206		1.9	
Benzo(k)fluoranthene	1.109	0.924		-16.7	
Benzo(a)pyrene	1.116	1.062		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.501	1.347		-10.3	
Dibenzo(a,h)anthracene	1.218	1.086		-10.8	
Benzo(g,h,i)perylene	1.218	1.074		-11.8	
1,2,4,5-Tetrachlorobenzene	0.574	0.556		-3.1	
1,4-Dioxane	0.475	0.476		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.341	0.321		-5.9	

All other compounds must meet a minimum RRF of 0.010.