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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1937 SAS No.: Q1937 SDG No.: Q1937

Instrument ID: BNA_P Calibration Date/Time: 05/06/2025 10:17

Lab File ID: BP024540.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.169		-3.4	
Benzaldehyde	0.819	0.804		-1.8	
Phenol-d6	1.656	1.490		-10.0	
Phenol	1.661	1.459		-12.2	20.0
bis(2-Chloroethyl)ether	1.339	1.163		-13.1	
2-Chlorophenol	1.350	1.270		-5.9	
2-Methylphenol	1.075	0.995		-7.4	
2,2-oxybis(1-Chloropropane)	1.447	1.254		-13.3	
Acetophenone	0.495	0.472		-4.6	
3+4-Methylphenols	1.491	1.350		-9.5	
n-Nitroso-di-n-propylamine	1.025	0.887	0.050	-13.5	
Nitrobenzene-d5	0.351	0.343		-2.3	
Hexachloroethane	0.533	0.521		-2.3	
Nitrobenzene	0.347	0.336		-3.2	
Isophorone	0.635	0.588		-7.4	
2-Nitrophenol	0.170	0.180		5.9	20.0
2,4-Dimethylphenol	0.213	0.205		-3.8	
bis(2-Chloroethoxy)methane	0.429	0.380		-11.4	
2,4-Dichlorophenol	0.291	0.296		1.7	20.0
Naphthalene	1.054	1.015		-3.7	
4-Chloroaniline	0.371	0.348		-6.2	
Hexachlorobutadiene	0.183	0.197		7.7	20.0
Caprolactam	0.107	0.101		-5.6	
4-Chloro-3-methylphenol	0.339	0.336		-0.9	20.0
2-Methylnaphthalene	0.731	0.692		-5.3	
Hexachlorocyclopentadiene	0.195	0.199	0.050	2.1	
2,4,6-Trichlorophenol	0.366	0.383		4.6	20.0
2-Fluorobiphenyl	1.306	1.299		-0.5	
2,4,5-Trichlorophenol	0.405	0.422		4.2	
1,1-Biphenyl	1.470	1.445		-1.7	
2-Chloronaphthalene	1.099	1.091		-0.7	
2-Nitroaniline	0.308	0.322		4.5	
Dimethylphthalate	1.454	1.395		-4.1	
Acenaphthylene	1.730	1.668		-3.6	
2,6-Dinitrotoluene	0.309	0.312		1.0	
3-Nitroaniline	0.325	0.310		-4.6	
Acenaphthene	1.097	1.042		-5.0	20.0
2,4-Dinitrophenol	0.182	0.178	0.050	-2.2	
4-Nitrophenol	0.280	0.244	0.050	-12.9	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.687		-5.9	
2,4-Dinitrotoluene	0.421	0.437		3.8	
Diethylphthalate	1.499	1.467		-2.1	
4-Chlorophenyl-phenylether	0.674	0.672		-0.3	
Fluorene	1.388	1.348		-2.9	
4-Nitroaniline	0.344	0.336		-2.3	
4,6-Dinitro-2-methylphenol	0.126	0.125		-0.8	
n-Nitrosodiphenylamine	0.597	0.575		-3.7	20.0
2,4,6-Tribromophenol	0.277	0.315		13.7	
4-Bromophenyl-phenylether	0.219	0.228		4.1	
Hexachlorobenzene	0.260	0.277		6.5	
Atrazine	0.152	0.140		-7.9	
Pentachlorophenol	0.181	0.191		5.5	20.0
Phenanthrene	1.091	1.036		-5.0	
Anthracene	1.052	1.032		-1.9	
Carbazole	1.027	0.997		-2.9	
Di-n-butylphthalate	1.280	1.303		1.8	
Fluoranthene	1.298	1.282		-1.2	20.0
Pyrene	1.271	1.167		-8.2	
Terphenyl-d14	0.992	0.978		-1.4	
Butylbenzylphthalate	0.544	0.545		0.2	
3,3-Dichlorobenzidine	0.436	0.430		-1.4	
Benzo(a)anthracene	1.243	1.199		-3.5	
Chrysene	1.191	1.148		-3.6	
Bis(2-ethylhexyl)phthalate	0.798	0.796		-0.3	
Di-n-octyl phthalate	1.297	1.373		5.9	20.0
Benzo(b)fluoranthene	1.199	1.159		-3.3	
Benzo(k)fluoranthene	1.158	1.069		-7.7	
Benzo(a)pyrene	1.034	1.002		-3.1	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.369		-1.4	
Dibenzo(a,h)anthracene	1.152	1.123		-2.5	
Benzo(g,h,i)perylene	1.173	1.146		-2.3	
1,2,4,5-Tetrachlorobenzene	0.550	0.573		4.2	
1,4-Dioxane	0.512	0.475		-7.2	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.376		0.8	

All other compounds must meet a minimum RRF of 0.010.