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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG No.: Q1069

Instrument ID: BNA_F Calibration Date/Time: 01/15/2025 17:10

Lab File ID: BF141177.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.226		-5.3	50.0
Benzaldehyde	0.966	0.898		-7.0	50.0
Phenol-d6	1.640	1.520		-7.3	50.0
Phenol	1.756	1.619		-7.8	50.0
bis(2-Chloroethyl)ether	1.308	1.235		-5.6	50.0
2-Chlorophenol	1.389	1.328		-4.4	50.0
2-Methylphenol	1.121	1.056		-5.8	50.0
2,2-oxybis(1-Chloropropane)	1.826	1.658		-9.2	50.0
Acetophenone	0.475	0.447		-5.9	50.0
3+4-Methylphenols	1.415	1.324		-6.4	50.0
n-Nitroso-di-n-propylamine	0.966	0.896	0.050	-7.2	50.0
Nitrobenzene-d5	0.377	0.364		-3.4	50.0
Hexachloroethane	0.565	0.550		-2.7	50.0
Nitrobenzene	0.393	0.375		-4.6	50.0
Isophorone	0.645	0.606		-6.0	50.0
2-Nitrophenol	0.179	0.182		1.7	50.0
2,4-Dimethylphenol	0.241	0.227		-5.8	50.0
bis(2-Chloroethoxy)methane	0.405	0.383		-5.4	50.0
2,4-Dichlorophenol	0.287	0.279		-2.8	50.0
Naphthalene	1.055	1.004		-4.8	50.0
4-Chloroaniline	0.365	0.313		-14.2	50.0
Hexachlorobutadiene	0.197	0.199		1.0	50.0
Caprolactam	0.094	0.085		-9.6	50.0
4-Chloro-3-methylphenol	0.313	0.296		-5.4	50.0
2-Methylnaphthalene	0.672	0.642		-4.5	50.0
Hexachlorocyclopentadiene	0.188	0.208	0.050	10.6	50.0
2,4,6-Trichlorophenol	0.387	0.392		1.3	50.0
2-Fluorobiphenyl	1.310	1.277		-2.5	50.0
2,4,5-Trichlorophenol	0.409	0.389		-4.9	50.0
1,1-Biphenyl	1.553	1.513		-2.6	50.0
2-Chloronaphthalene	1.210	1.171		-3.2	50.0
2-Nitroaniline	0.359	0.342		-4.7	50.0
Dimethylphthalate	1.343	1.285		-4.3	50.0
Acenaphthylene	1.728	1.643		-4.9	50.0
2,6-Dinitrotoluene	0.312	0.301		-3.5	50.0
3-Nitroaniline	0.317	0.301		-5.0	50.0
Acenaphthene	1.208	1.172		-3.0	50.0
2,4-Dinitrophenol	0.148	0.154	0.050	4.1	50.0
4-Nitrophenol	0.248	0.232	0.050	-6.5	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.553		-5.4	50.0
2,4-Dinitrotoluene	0.402	0.390		-3.0	50.0
Diethylphthalate	1.311	1.242		-5.3	50.0
4-Chlorophenyl-phenylether	0.622	0.601		-3.4	50.0
Fluorene	1.276	1.200		-6.0	50.0
4-Nitroaniline	0.311	0.284		-8.7	50.0
4,6-Dinitro-2-methylphenol	0.116	0.131		12.9	50.0
n-Nitrosodiphenylamine	0.645	0.660		2.3	50.0
2,4,6-Tribromophenol	0.228	0.223		-2.2	50.0
4-Bromophenyl-phenylether	0.230	0.242		5.2	50.0
Hexachlorobenzene	0.256	0.266		3.9	50.0
Atrazine	0.174	0.141		-19.0	50.0
Pentachlorophenol	0.164	0.171		4.3	50.0
Phenanthrene	1.074	1.061		-1.2	50.0
Anthracene	1.044	1.038		-0.6	50.0
Carbazole	0.957	0.930		-2.8	50.0
Di-n-butylphthalate	1.096	1.104		0.7	50.0
Fluoranthene	1.071	1.005		-6.2	50.0
Pyrene	1.910	1.715		-10.2	50.0
Terphenyl-d14	1.346	1.235		-8.2	50.0
Butylbenzylphthalate	0.637	0.602		-5.5	50.0
3,3-Dichlorobenzidine	0.433	0.437		0.9	50.0
Benzo(a)anthracene	1.361	1.281		-5.9	50.0
Chrysene	1.274	1.141		-10.4	50.0
Bis(2-ethylhexyl)phthalate	0.764	0.750		-1.8	50.0
Di-n-octyl phthalate	1.154	1.233		6.8	50.0
Benzo(b)fluoranthene	1.290	1.133		-12.2	50.0
Benzo(k)fluoranthene	1.090	1.067		-2.1	50.0
Benzo(a)pyrene	1.064	1.016		-4.5	50.0
Indeno(1,2,3-cd)pyrene	1.465	1.497		2.2	50.0
Dibenzo(a,h)anthracene	1.185	1.222		3.1	50.0
Benzo(g,h,i)perylene	1.233	1.275		3.4	50.0
1,2,4,5-Tetrachlorobenzene	0.574	0.580		1.0	50.0
1,4-Dioxane	0.577	0.509		-11.8	50.0
2,3,4,6-Tetrachlorophenol	0.340	0.315		-7.4	50.0

All other compounds must meet a minimum RRF of 0.010.