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.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 13:58

Lab File ID: BF142391.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.203		2.6	50.0
Benzaldehyde	0.843	0.813		-3.6	50.0
Phenol-d6	1.441	1.447		0.4	50.0
Phenol	1.531	1.640		7.1	50.0
bis(2-Chloroethyl)ether	1.506	1.172		-22.2	50.0
2-Chlorophenol	1.252	1.315		5.0	50.0
2-Methylphenol	1.014	1.011		-0.3	50.0
2,2-oxybis(1-Chloropropane)	2.249	2.025		-10.0	50.0
Acetophenone	0.445	0.431		-3.1	50.0
3+4-Methylphenols	1.265	1.273		0.6	50.0
n-Nitroso-di-n-propylamine	0.891	0.836	0.050	-6.2	50.0
Nitrobenzene-d5	0.328	0.364		11.0	50.0
Hexachloroethane	0.478	0.492		2.9	50.0
Nitrobenzene	0.309	0.335		8.4	50.0
Isophorone	0.621	0.594		-4.3	50.0
2-Nitrophenol	0.129	0.183		41.9	50.0
2,4-Dimethylphenol	0.312	0.320		2.6	50.0
bis(2-Chloroethoxy)methane	0.399	0.372		-6.8	50.0
2,4-Dichlorophenol	0.265	0.283		6.8	50.0
Naphthalene	0.969	0.958		-1.1	50.0
4-Chloroaniline	0.395	0.394		-0.3	50.0
Hexachlorobutadiene	0.177	0.182		2.8	50.0
Caprolactam	0.077	0.086		11.7	50.0
4-Chloro-3-methylphenol	0.276	0.283		2.5	50.0
2-Methylnaphthalene	0.602	0.589		-2.2	50.0
Hexachlorocyclopentadiene	0.345	0.392	0.050	13.6	50.0
2,4,6-Trichlorophenol	0.352	0.391		11.1	50.0
2-Fluorobiphenyl	1.403	1.336		-4.8	50.0
2,4,5-Trichlorophenol	0.375	0.400		6.7	50.0
1,1-Biphenyl	1.533	1.493		-2.6	50.0
2-Chloronaphthalene	1.140	1.130		-0.9	50.0
2-Nitroaniline	0.292	0.352		20.5	50.0
Dimethylphthalate	1.284	1.277		-0.5	50.0
Acenaphthylene	1.908	1.885		-1.2	50.0
2,6-Dinitrotoluene	0.240	0.283		17.9	50.0
3-Nitroaniline	0.282	0.326		15.6	50.0
Acenaphthene	1.147	1.148		0.1	50.0
2,4-Dinitrophenol	0.102	0.159	0.050	55.9	50.0
4-Nitrophenol	0.212	0.259	0.050	22.2	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.652		-2.4	50.0
2,4-Dinitrotoluene	0.308	0.385		25.0	50.0
Diethylphthalate	1.283	1.218		-5.1	50.0
4-Chlorophenyl-phenylether	0.623	0.608		-2.4	50.0
Fluorene	1.292	1.257		-2.7	50.0
4-Nitroaniline	0.223	0.293		31.4	50.0
4,6-Dinitro-2-methylphenol	0.082	0.120		46.3	50.0
n-Nitrosodiphenylamine	0.666	0.654		-1.8	50.0
2,4,6-Tribromophenol	0.193	0.222		15.0	50.0
4-Bromophenyl-phenylether	0.227	0.224		-1.3	50.0
Hexachlorobenzene	0.249	0.251		0.8	50.0
Atrazine	0.175	0.184		5.1	50.0
Pentachlorophenol	0.131	0.160		22.1	50.0
Phenanthrene	1.048	1.024		-2.3	50.0
Anthracene	1.077	1.062		-1.4	50.0
Carbazole	0.966	0.948		-1.9	50.0
Di-n-butylphthalate	1.016	0.982		-3.3	50.0
Fluoranthene	1.048	0.996		-5.0	50.0
Pyrene	1.780	1.890		6.2	50.0
Terphenyl-d14	1.351	1.383		2.4	50.0
Butylbenzylphthalate	0.449	0.500		11.4	50.0
3,3-Dichlorobenzidine	0.301	0.418		38.9	50.0
Benzo(a)anthracene	1.295	1.335		3.1	50.0
Chrysene	1.206	1.161		-3.7	50.0
Bis(2-ethylhexyl)phthalate	0.573	0.629		9.8	50.0
Di-n-octyl phthalate	1.057	1.255		18.7	50.0
Benzo(b)fluoranthene	1.211	1.234		1.9	50.0
Benzo(k)fluoranthene	1.109	0.959		-13.5	50.0
Benzo(a)pyrene	1.085	1.102		1.6	50.0
Indeno(1,2,3-cd)pyrene	1.391	1.484		6.7	50.0
Dibenzo(a,h)anthracene	1.149	1.193		3.8	50.0
Benzo(g,h,i)perylene	1.141	1.188		4.1	50.0
1,2,4,5-Tetrachlorobenzene	0.559	0.568		1.6	50.0
1,4-Dioxane	0.528	0.512		-3.0	50.0
2,3,4,6-Tetrachlorophenol	0.309	0.339		9.7	50.0

All other compounds must meet a minimum RRF of 0.010.