



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LIRO01

Lab Code: CHEM Case No.: P1747 SAS No.: P1747 SDG No.: P1747

Instrument ID: BNA_G Calibration Date/Time: 03/14/2024 10:25

Lab File ID: BG060632.D Init. Calib. Date(s): 03/13/2024 03/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:44 15:27

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.272	1.299		2.1	
Benzaldehyde	1.033	1.042		0.9	
Phenol-d6	1.846	1.897		2.8	
Phenol	1.852	1.891		2.1	20.0
bis(2-Chloroethyl) ether	1.476	1.478		0.1	
2-Chlorophenol	1.391	1.423		2.3	
2-Methylphenol	1.422	1.427		0.4	
2,2-oxybis(1-Chloropropane)	2.866	2.809		-2.0	
Acetophenone	0.536	0.557		3.9	
3+4-Methylphenols	1.918	1.954		1.9	
n-Nitroso-di-n-propylamine	1.279	1.276	0.050	-0.2	
Nitrobenzene-d5	0.384	0.404		5.2	
Hexachloroethane	0.519	0.548		5.6	
Nitrobenzene	0.384	0.402		4.7	
Isophorone	0.769	0.794		3.3	
2-Nitrophenol	0.142	0.151		6.3	20.0
2,4-Dimethylphenol	0.340	0.337		-0.9	
bis(2-Chloroethoxy) methane	0.461	0.467		1.3	
2,4-Dichlorophenol	0.306	0.316		3.3	20.0
Naphthalene	1.117	1.130		1.2	
4-Chloroaniline	0.471	0.478		1.5	
Hexachlorobutadiene	0.221	0.223		0.9	20.0
Caprolactam	0.103	0.105		1.9	
4-Chloro-3-methylphenol	0.374	0.379		1.3	20.0
2-Methylnaphthalene	0.772	0.772		0.0	
Hexachlorocyclopentadiene	0.302	0.303	0.050	0.3	
2,4,6-Trichlorophenol	0.394	0.404		2.5	20.0
2-Fluorobiphenyl	1.479	1.464		-1.0	
2,4,5-Trichlorophenol	0.467	0.480		2.8	
1,1-Biphenyl	1.520	1.515		-0.3	
2-Chloronaphthalene	1.147	1.146		-0.1	
2-Nitroaniline	0.379	0.390		2.9	
Dimethylphthalate	1.500	1.516		1.1	
Acenaphthylene	1.869	1.881		0.6	
2,6-Dinitrotoluene	0.276	0.290		5.1	
3-Nitroaniline	0.318	0.328		3.1	
Acenaphthene	1.117	1.103		-1.3	20.0
2,4-Dinitrophenol	0.118	0.114	0.050	-3.4	
4-Nitrophenol	0.237	0.244	0.050	3.0	
Dibenzofuran	1.808	1.785		-1.3	
2,4-Dinitrotoluene	0.348	0.370		6.3	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.543	1.539		-0.3	
4-Chlorophenyl-phenylether	0.733	0.721		-1.6	
Fluorene	1.447	1.454		0.5	
4-Nitroaniline	0.326	0.349		7.1	
4,6-Dinitro-2-methylphenol	0.083	0.082		-1.2	
n-Nitrosodiphenylamine	0.626	0.643		2.7	20.0
2,4,6-Tribromophenol	0.232	0.242		4.3	
4-Bromophenyl-phenylether	0.216	0.222		2.8	
Hexachlorobenzene	0.248	0.253		2.0	
Atrazine	0.209	0.212		1.4	
Pentachlorophenol	0.161	0.170		5.6	20.0
Phenanthrene	1.077	1.089		1.1	
Anthracene	1.089	1.122		3.0	
Carbazole	0.947	0.977		3.2	
Di-n-butylphthalate	1.154	1.230		6.6	
Fluoranthene	1.192	1.249		4.8	20.0
Pyrene	1.396	1.403		0.5	
Terphenyl-d14	1.106	1.099		-0.6	
Butylbenzylphthalate	0.528	0.566		7.2	
3,3-Dichlorobenzidine	0.464	0.485		4.5	
Benzo(a)anthracene	1.377	1.389		0.9	
Chrysene	1.337	1.353		1.2	
Bis(2-ethylhexyl)phthalate	0.779	0.835		7.2	
Di-n-octyl phthalate	1.283	1.389		8.3	20.0
Benzo(b)fluoranthene	1.100	1.121		1.9	
Benzo(k)fluoranthene	1.156	1.200		3.8	
Benzo(a)pyrene	1.079	1.112		3.1	20.0
Indeno(1,2,3-cd)pyrene	1.364	1.412		3.5	
Dibenzo(a,h)anthracene	1.158	1.195		3.2	
Benzo(g,h,i)perylene	1.121	1.146		2.2	
1,2,4,5-Tetrachlorobenzene	0.614	0.617		0.5	
1,4-Dioxane	0.533	0.550		3.2	20.0
2,3,4,6-Tetrachlorophenol	0.389	0.397		2.1	

All other compounds must meet a minimum RRF of 0.010.