



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 22:39

Lab File ID: BG060649.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	1.260		-0.9	
Benzaldehyde	1.033	0.984		-4.7	
Phenol-d6	1.846	1.824		-1.2	
Phenol	1.852	1.801		-2.8	20.0
bis(2-Chloroethyl) ether	1.476	1.411		-4.4	
2-Chlorophenol	1.391	1.366		-1.8	
2-Methylphenol	1.422	1.370		-3.7	
2,2-oxybis(1-Chloropropane)	2.866	2.624		-8.4	
Acetophenone	0.536	0.514		-4.1	
3+4-Methylphenols	1.918	1.833		-4.4	
n-Nitroso-di-n-propylamine	1.279	1.189	0.050	-7.0	
Nitrobenzene-d5	0.384	0.384		0.0	
Hexachloroethane	0.519	0.511		-1.5	
Nitrobenzene	0.384	0.383		-0.3	
Isophorone	0.769	0.730		-5.1	
2-Nitrophenol	0.142	0.153		7.7	20.0
2,4-Dimethylphenol	0.340	0.330		-2.9	
bis(2-Chloroethoxy) methane	0.461	0.438		-5.0	
2,4-Dichlorophenol	0.306	0.303		-1.0	20.0
Naphthalene	1.117	1.055		-5.6	
4-Chloroaniline	0.471	0.458		-2.8	
Hexachlorobutadiene	0.221	0.206		-6.8	20.0
Caprolactam	0.103	0.103		0.0	
4-Chloro-3-methylphenol	0.374	0.365		-2.4	20.0
2-Methylnaphthalene	0.772	0.714		-7.5	
Hexachlorocyclopentadiene	0.302	0.293	0.050	-3.0	
2,4,6-Trichlorophenol	0.394	0.395		0.3	20.0
2-Fluorobiphenyl	1.479	1.421		-3.9	
2,4,5-Trichlorophenol	0.467	0.468		0.2	
1,1-Biphenyl	1.520	1.451		-4.5	
2-Chloronaphthalene	1.147	1.097		-4.4	
2-Nitroaniline	0.379	0.391		3.2	
Dimethylphthalate	1.500	1.467		-2.2	
Acenaphthylene	1.869	1.818		-2.7	
2,6-Dinitrotoluene	0.276	0.297		7.6	
3-Nitroaniline	0.318	0.328		3.1	
Acenaphthene	1.117	1.092		-2.2	20.0
2,4-Dinitrophenol	0.118	0.121	0.050	2.5	
4-Nitrophenol	0.237	0.248	0.050	4.6	
Dibenzofuran	1.808	1.748		-3.3	
2,4-Dinitrotoluene	0.348	0.376		8.0	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Diethylphthalate	1.543	1.502		-2.7	
4-Chlorophenyl-phenylether	0.733	0.704		-4.0	
Fluorene	1.447	1.418		-2.0	
4-Nitroaniline	0.326	0.338		3.7	
4,6-Dinitro-2-methylphenol	0.083	0.086		3.6	
n-Nitrosodiphenylamine	0.626	0.594		-5.1	20.0
2,4,6-Tribromophenol	0.232	0.231		-0.4	
4-Bromophenyl-phenylether	0.216	0.194		-10.2	
Hexachlorobenzene	0.248	0.232		-6.5	
Atrazine	0.209	0.206		-1.4	
Pentachlorophenol	0.161	0.164		1.9	20.0
Phenanthrene	1.077	1.029		-4.5	
Anthracene	1.089	1.062		-2.5	
Carbazole	0.947	0.926		-2.2	
Di-n-butylphthalate	1.154	1.160		0.5	
Fluoranthene	1.192	1.170		-1.8	20.0
Pyrene	1.396	1.349		-3.4	
Terphenyl-d14	1.106	1.051		-5.0	
Butylbenzylphthalate	0.528	0.541		2.5	
3,3-Dichlorobenzidine	0.464	0.467		0.6	
Benzo(a)anthracene	1.377	1.316		-4.4	
Chrysene	1.337	1.286		-3.8	
Bis(2-ethylhexyl)phthalate	0.779	0.798		2.4	
Di-n-octyl phthalate	1.283	1.327		3.4	20.0
Benzo(b)fluoranthene	1.100	1.060		-3.6	
Benzo(k)fluoranthene	1.156	1.108		-4.2	
Benzo(a)pyrene	1.079	1.045		-3.2	20.0
Indeno(1,2,3-cd)pyrene	1.364	1.330		-2.5	
Dibenzo(a,h)anthracene	1.158	1.121		-3.2	
Benzo(g,h,i)perylene	1.121	1.082		-3.5	
1,2,4,5-Tetrachlorobenzene	0.614	0.580		-5.5	
1,4-Dioxane	0.533	0.540		1.3	20.0
2,3,4,6-Tetrachlorophenol	0.389	0.392		0.8	

All other compounds must meet a minimum RRF of 0.010.