

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_F Calibration Date/Time: 10/23/2024 09:20

Lab File ID: BF139952.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.814		-12.6	
Phenol-d6	1.655	1.535		-7.3	
Phenol	1.706	1.607		-5.8	20.0
bis(2-Chloroethyl)ether	1.319	1.234		-6.4	
2-Chlorophenol	1.306	1.268		-2.9	
2-Methylphenol	1.114	1.068		-4.1	
2,2-oxybis(1-Chloropropane)	2.248	2.003		-10.9	
Acetophenone	0.490	0.464		-5.3	
3+4-Methylphenols	1.424	1.338		-6.0	
n-Nitroso-di-n-propylamine	1.004	0.910	0.050	-9.4	
Nitrobenzene-d5	0.361	0.367		1.7	
Hexachloroethane	0.534	0.522		-2.2	
Nitrobenzene	0.396	0.388		-2.0	
Isophorone	0.685	0.648		-5.4	
2-Nitrophenol	0.149	0.174		16.8	20.0
2,4-Dimethylphenol	0.249	0.236		-5.2	
bis(2-Chloroethoxy)methane	0.415	0.398		-4.1	
2,4-Dichlorophenol	0.283	0.280		-1.1	20.0
Naphthalene	1.031	1.008		-2.2	
4-Chloroaniline	0.352	0.342		-2.8	
Hexachlorobutadiene	0.197	0.200		1.5	20.0
Caprolactam	0.090	0.090		0.0	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.632	0.620		-1.9	
Hexachlorocyclopentadiene	0.188	0.204	0.050	8.5	
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.162		-4.0	
2,4,5-Trichlorophenol	0.394	0.393		-0.3	
1,1-Biphenyl	1.392	1.355		-2.7	
2-Chloronaphthalene	1.121	1.098		-2.1	
2-Nitroaniline	0.343	0.363		5.8	
Dimethylphthalate	1.246	1.215		-2.5	
Acenaphthylene	1.621	1.589		-2.0	
2,6-Dinitrotoluene	0.270	0.288		6.7	
3-Nitroaniline	0.278	0.293		5.4	
Acenaphthene	1.049	1.047		-0.2	20.0
2,4-Dinitrophenol	0.093	0.140	0.050	50.5	
4-Nitrophenol	0.214	0.233	0.050	8.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.468		-2.5	
2,4-Dinitrotoluene	0.332	0.372		12.0	
Diethylphthalate	1.223	1.192		-2.5	
4-Chlorophenyl-phenylether	0.579	0.584		0.9	
Fluorene	1.146	1.120		-2.3	
4-Nitroaniline	0.263	0.278		5.7	
4,6-Dinitro-2-methylphenol	0.082	0.113		37.8	
n-Nitrosodiphenylamine	0.599	0.579		-3.3	20.0
2,4,6-Tribromophenol	0.187	0.206		10.2	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.165		1.9	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.906		-4.1	
Anthracene	0.922	0.896		-2.8	
Carbazole	0.857	0.815		-4.9	
Di-n-butylphthalate	0.990	0.951		-3.9	
Fluoranthene	0.955	0.921		-3.6	20.0
Pyrene	1.751	1.747		-0.2	
Terphenyl-d14	1.227	1.236		0.7	
Butylbenzylphthalate	0.525	0.536		2.1	
3,3-Dichlorobenzidine	0.380	0.427		12.4	
Benzo (a) anthracene	1.302	1.273		-2.2	
Chrysene	1.194	1.169		-2.1	
Bis(2-ethylhexyl)phthalate	0.589	0.652		10.7	
Di-n-octyl phthalate	1.071	1.163		8.6	20.0
Benzo (b) fluoranthene	1.218	1.240		1.8	
Benzo (k) fluoranthene	1.051	0.912		-13.2	
Benzo (a) pyrene	1.002	0.988		-1.4	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.393		8.2	
Dibenzo (a,h) anthracene	1.073	1.155		7.6	
Benzo (g,h,i) perylene	1.072	1.184		10.4	
1,2,4,5-Tetrachlorobenzene	0.540	0.541		0.2	
1,4-Dioxane	0.596	0.552		-7.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.318		2.9	

All other compounds must meet a minimum RRF of 0.010.