

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: BNA_F Calibration Date/Time: 10/31/2024 09:22

Lab File ID: BF140176.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	1.261		-1.3	
Benzaldehyde	0.931	0.943		1.3	
Phenol-d6	1.655	1.625		-1.8	
Phenol	1.706	1.682		-1.4	20.0
bis(2-Chloroethyl)ether	1.319	1.315		-0.3	
2-Chlorophenol	1.306	1.312		0.5	
2-Methylphenol	1.114	1.121		0.6	
2,2-oxybis(1-Chloropropane)	2.248	2.100		-6.6	
Acetophenone	0.490	0.486		-0.8	
3+4-Methylphenols	1.424	1.392		-2.2	
n-Nitroso-di-n-propylamine	1.004	0.981	0.050	-2.3	
Nitrobenzene-d5	0.361	0.403		11.6	
Hexachloroethane	0.534	0.570		6.7	
Nitrobenzene	0.396	0.418		5.6	
Isophorone	0.685	0.693		1.2	
2-Nitrophenol	0.149	0.187		25.5	20.0
2,4-Dimethylphenol	0.249	0.239		-4.0	
bis(2-Chloroethoxy)methane	0.415	0.421		1.4	
2,4-Dichlorophenol	0.283	0.294		3.9	20.0
Naphthalene	1.031	1.044		1.3	
4-Chloroaniline	0.352	0.314		-10.8	
Hexachlorobutadiene	0.197	0.214		8.6	20.0
Caprolactam	0.090	0.096		6.7	
4-Chloro-3-methylphenol	0.314	0.333		6.1	20.0
2-Methylnaphthalene	0.632	0.660		4.4	
Hexachlorocyclopentadiene	0.188	0.185	0.050	-1.6	
2,4,6-Trichlorophenol	0.382	0.385		0.8	20.0
2-Fluorobiphenyl	1.210	1.231		1.7	
2,4,5-Trichlorophenol	0.394	0.424		7.6	
1,1-Biphenyl	1.392	1.403		0.8	
2-Chloronaphthalene	1.121	1.141		1.8	
2-Nitroaniline	0.343	0.398		16.0	
Dimethylphthalate	1.246	1.337		7.3	
Acenaphthylene	1.621	1.626		0.3	
2,6-Dinitrotoluene	0.270	0.305		13.0	
3-Nitroaniline	0.278	0.312		12.2	
Acenaphthene	1.049	1.115		6.3	20.0
2,4-Dinitrophenol	0.093	0.171	0.050	83.9	
4-Nitrophenol	0.214	0.249	0.050	16.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.519		0.9	
2,4-Dinitrotoluene	0.332	0.413		24.4	
Diethylphthalate	1.223	1.309		7.0	
4-Chlorophenyl-phenylether	0.579	0.613		5.9	
Fluorene	1.146	1.217		6.2	
4-Nitroaniline	0.263	0.326		24.0	
4,6-Dinitro-2-methylphenol	0.082	0.130		58.5	
n-Nitrosodiphenylamine	0.599	0.593		-1.0	20.0
2,4,6-Tribromophenol	0.187	0.215		15.0	
4-Bromophenyl-phenylether	0.206	0.214		3.9	
Hexachlorobenzene	0.232	0.237		2.2	
Atrazine	0.162	0.170		4.9	
Pentachlorophenol	0.141	0.157		11.3	20.0
Phenanthrene	0.945	0.952		0.7	
Anthracene	0.922	0.929		0.8	
Carbazole	0.857	0.884		3.2	
Di-n-butylphthalate	0.990	1.111		12.2	
Fluoranthene	0.955	1.036		8.5	20.0
Pyrene	1.751	1.635		-6.6	
Terphenyl-d14	1.227	1.195		-2.6	
Butylbenzylphthalate	0.525	0.676		28.8	
3,3-Dichlorobenzidine	0.380	0.430		13.2	
Benzo (a) anthracene	1.302	1.320		1.4	
Chrysene	1.194	1.225		2.6	
Bis(2-ethylhexyl)phthalate	0.589	0.900		52.8	
Di-n-octyl phthalate	1.071	1.388		29.6	20.0
Benzo (b) fluoranthene	1.218	1.432		17.6	
Benzo (k) fluoranthene	1.051	1.079		2.7	
Benzo (a) pyrene	1.002	1.042		4.0	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.176		-8.6	
Dibenzo (a,h) anthracene	1.073	0.977		-8.9	
Benzo (g,h,i) perylene	1.072	0.971		-9.4	
1,2,4,5-Tetrachlorobenzene	0.540	0.566		4.8	
1,4-Dioxane	0.596	0.510		-14.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.326		5.5	

All other compounds must meet a minimum RRF of 0.010.