

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.268		-4.4	
Benzaldehyde	0.941	0.913		-3.0	
Phenol-d6	1.709	1.624		-5.0	
Phenol	1.767	1.701		-3.7	20.0
bis(2-Chloroethyl)ether	1.427	1.317		-7.7	
2-Chlorophenol	1.399	1.354		-3.2	
2-Methylphenol	1.162	1.114		-4.1	
2,2-oxybis(1-Chloropropane)	2.158	2.044		-5.3	
Acetophenone	0.491	0.466		-5.1	
3+4-Methylphenols	1.471	1.414		-3.9	
n-Nitroso-di-n-propylamine	1.047	0.967	0.050	-7.6	
Nitrobenzene-d5	0.313	0.359		14.7	
Hexachloroethane	0.553	0.541		-2.2	
Nitrobenzene	0.349	0.391		12.0	
Isophorone	0.680	0.647		-4.9	
2-Nitrophenol	0.118	0.160		35.6	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.431	0.409		-5.1	
2,4-Dichlorophenol	0.282	0.279		-1.1	20.0
Naphthalene	1.054	1.013		-3.9	
4-Chloroaniline	0.381	0.362		-5.0	
Hexachlorobutadiene	0.188	0.183		-2.7	20.0
Caprolactam	0.096	0.094		-2.1	
4-Chloro-3-methylphenol	0.313	0.303		-3.2	20.0
2-Methylnaphthalene	0.674	0.646		-4.2	
Hexachlorocyclopentadiene	0.182	0.186	0.050	2.2	
2,4,6-Trichlorophenol	0.366	0.367		0.3	20.0
2-Fluorobiphenyl	1.255	1.178		-6.1	
2,4,5-Trichlorophenol	0.375	0.386		2.9	
1,1-Biphenyl	1.531	1.482		-3.2	
2-Chloronaphthalene	1.188	1.140		-4.0	
2-Nitroaniline	0.259	0.349		34.7	
Dimethylphthalate	1.316	1.281		-2.7	
Acenaphthylene	1.710	1.661		-2.9	
2,6-Dinitrotoluene	0.231	0.296		28.1	
3-Nitroaniline	0.255	0.320		25.5	
Acenaphthene	1.156	1.122		-2.9	20.0
2,4-Dinitrophenol	0.075	0.099	0.050	32.0	
4-Nitrophenol	0.225	0.246	0.050	9.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.624	1.563		-3.8	
2,4-Dinitrotoluene	0.273	0.378		38.5	
Diethylphthalate	1.299	1.261		-2.9	
4-Chlorophenyl-phenylether	0.606	0.572		-5.6	
Fluorene	1.260	1.191		-5.5	
4-Nitroaniline	0.255	0.316		23.9	
4,6-Dinitro-2-methylphenol	0.067	0.093		38.8	
n-Nitrosodiphenylamine	0.630	0.617		-2.1	20.0
2,4,6-Tribromophenol	0.194	0.205		5.7	
4-Bromophenyl-phenylether	0.216	0.220		1.9	
Hexachlorobenzene	0.238	0.235		-1.3	
Atrazine	0.176	0.158		-10.2	
Pentachlorophenol	0.148	0.161		8.8	20.0
Phenanthrene	1.053	1.034		-1.8	
Anthracene	1.031	1.003		-2.7	
Carbazole	0.992	0.965		-2.7	
Di-n-butylphthalate	1.128	1.104		-2.1	
Fluoranthene	1.142	1.081		-5.3	20.0
Pyrene	1.749	1.690		-3.4	
Terphenyl-d14	1.204	1.166		-3.2	
Butylbenzylphthalate	0.639	0.645		0.9	
3,3-Dichlorobenzidine	0.419	0.406		-3.1	
Benzo (a) anthracene	1.394	1.316		-5.6	
Chrysene	1.257	1.236		-1.7	
Bis(2-ethylhexyl)phthalate	0.828	0.820		-1.0	
Di-n-octyl phthalate	1.199	1.221		1.8	20.0
Benzo (b) fluoranthene	1.395	1.240		-11.1	
Benzo (k) fluoranthene	1.093	1.226		12.2	
Benzo (a) pyrene	1.083	1.067		-1.5	20.0
Indeno (1,2,3-cd) pyrene	1.260	1.291		2.5	
Dibenzo (a,h) anthracene	1.021	1.047		2.5	
Benzo (g,h,i) perylene	1.059	1.058		-0.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.540		-1.8	
1,4-Dioxane	0.601	0.590		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.315		1.6	

All other compounds must meet a minimum RRF of 0.010.