

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 15:59

Lab File ID: BF140501.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.206		3.0	
Benzaldehyde	0.951	1.414		48.7	
Phenol-d6	1.587	1.601		0.9	
Phenol	1.674	1.671		-0.2	20.0
bis(2-Chloroethyl)ether	1.268	1.316		3.8	
2-Chlorophenol	1.258	1.293		2.8	
2-Methylphenol	1.035	1.046		1.1	
2,2-oxybis(1-Chloropropane)	1.752	1.618		-7.6	
Acetophenone	0.465	0.469		0.9	
3+4-Methylphenols	1.295	1.291		-0.3	
n-Nitroso-di-n-propylamine	0.959	0.908	0.050	-5.3	
Nitrobenzene-d5	0.384	0.393		2.3	
Hexachloroethane	0.520	0.541		4.0	
Nitrobenzene	0.400	0.413		3.3	
Isophorone	0.680	0.677		-0.4	
2-Nitrophenol	0.177	0.190		7.3	20.0
2,4-Dimethylphenol	0.227	0.234		3.1	
bis(2-Chloroethoxy)methane	0.417	0.417		0.0	
2,4-Dichlorophenol	0.281	0.294		4.6	20.0
Naphthalene	1.015	1.038		2.3	
4-Chloroaniline	0.353	0.305		-13.6	
Hexachlorobutadiene	0.199	0.207		4.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.311	0.317		1.9	20.0
2-Methylnaphthalene	0.651	0.658		1.1	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.378		4.1	20.0
2-Fluorobiphenyl	1.244	1.264		1.6	
2,4,5-Trichlorophenol	0.397	0.416		4.8	
1,1-Biphenyl	1.455	1.494		2.7	
2-Chloronaphthalene	1.108	1.143		3.2	
2-Nitroaniline	0.368	0.382		3.8	
Dimethylphthalate	1.304	1.338		2.6	
Acenaphthylene	1.677	1.745		4.1	
2,6-Dinitrotoluene	0.297	0.313		5.4	
3-Nitroaniline	0.312	0.313		0.3	
Acenaphthene	1.133	1.181		4.2	20.0
2,4-Dinitrophenol	0.153	0.153	0.050	0.0	
4-Nitrophenol	0.228	0.220	0.050	-3.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.635		2.0	
2,4-Dinitrotoluene	0.391	0.418		6.9	
Diethylphthalate	1.333	1.348		1.1	
4-Chlorophenyl-phenylether	0.625	0.637		1.9	
Fluorene	1.267	1.308		3.2	
4-Nitroaniline	0.319	0.312		-2.2	
4,6-Dinitro-2-methylphenol	0.108	0.122		13.0	
n-Nitrosodiphenylamine	0.578	0.589		1.9	20.0
2,4,6-Tribromophenol	0.199	0.209		5.0	
4-Bromophenyl-phenylether	0.200	0.205		2.5	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.150		-14.3	
Pentachlorophenol	0.121	0.121		0.0	20.0
Phenanthrene	0.940	0.938		-0.2	
Anthracene	0.921	0.933		1.3	
Carbazole	0.909	0.912		0.3	
Di-n-butylphthalate	1.091	1.080		-1.0	
Fluoranthene	1.054	1.030		-2.3	20.0
Pyrene	1.711	1.843		7.7	
Terphenyl-d14	1.152	1.233		7.0	
Butylbenzylphthalate	0.657	0.698		6.2	
3,3-Dichlorobenzidine	0.418	0.413		-1.2	
Benzo (a) anthracene	1.314	1.378		4.9	
Chrysene	1.199	1.184		-1.3	
Bis(2-ethylhexyl)phthalate	0.877	0.903		3.0	
Di-n-octyl phthalate	1.235	1.287		4.2	20.0
Benzo (b) fluoranthene	1.308	1.302		-0.5	
Benzo (k) fluoranthene	1.069	1.034		-3.3	
Benzo (a) pyrene	1.016	1.037		2.1	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.266		2.5	
Dibenzo (a,h) anthracene	1.021	1.045		2.4	
Benzo (g,h,i) perylene	1.044	1.064		1.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.576		4.2	
1,4-Dioxane	0.522	0.543		4.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.330		5.4	

All other compounds must meet a minimum RRF of 0.010.