

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: BNA_F Calibration Date/Time: 11/20/2024 09:31

Lab File ID: BF140488.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	1.183		1.0	
Benzaldehyde	0.951	1.434		50.8	
Phenol-d6	1.587	1.579		-0.5	
Phenol	1.674	1.657		-1.0	20.0
bis(2-Chloroethyl)ether	1.268	1.277		0.7	
2-Chlorophenol	1.258	1.268		0.8	
2-Methylphenol	1.035	1.032		-0.3	
2,2-oxybis(1-Chloropropane)	1.752	1.634		-6.7	
Acetophenone	0.465	0.469		0.9	
3+4-Methylphenols	1.295	1.290		-0.4	
n-Nitroso-di-n-propylamine	0.959	0.916	0.050	-4.5	
Nitrobenzene-d5	0.384	0.392		2.1	
Hexachloroethane	0.520	0.535		2.9	
Nitrobenzene	0.400	0.409		2.3	
Isophorone	0.680	0.680		0.0	
2-Nitrophenol	0.177	0.189		6.8	20.0
2,4-Dimethylphenol	0.227	0.234		3.1	
bis(2-Chloroethoxy)methane	0.417	0.423		1.4	
2,4-Dichlorophenol	0.281	0.294		4.6	20.0
Naphthalene	1.015	1.040		2.5	
4-Chloroaniline	0.353	0.342		-3.1	
Hexachlorobutadiene	0.199	0.209		5.0	20.0
Caprolactam	0.093	0.096		3.2	
4-Chloro-3-methylphenol	0.311	0.322		3.5	20.0
2-Methylnaphthalene	0.651	0.663		1.8	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.377		3.9	20.0
2-Fluorobiphenyl	1.244	1.282		3.1	
2,4,5-Trichlorophenol	0.397	0.418		5.3	
1,1-Biphenyl	1.455	1.501		3.2	
2-Chloronaphthalene	1.108	1.144		3.2	
2-Nitroaniline	0.368	0.375		1.9	
Dimethylphthalate	1.304	1.342		2.9	
Acenaphthylene	1.677	1.721		2.6	
2,6-Dinitrotoluene	0.297	0.314		5.7	
3-Nitroaniline	0.312	0.318		1.9	
Acenaphthene	1.133	1.176		3.8	20.0
2,4-Dinitrophenol	0.153	0.154	0.050	0.7	
4-Nitrophenol	0.228	0.216	0.050	-5.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.638		2.2	
2,4-Dinitrotoluene	0.391	0.410		4.9	
Diethylphthalate	1.333	1.357		1.8	
4-Chlorophenyl-phenylether	0.625	0.650		4.0	
Fluorene	1.267	1.310		3.4	
4-Nitroaniline	0.319	0.317		-0.6	
4,6-Dinitro-2-methylphenol	0.108	0.121		12.0	
n-Nitrosodiphenylamine	0.578	0.600		3.8	20.0
2,4,6-Tribromophenol	0.199	0.210		5.5	
4-Bromophenyl-phenylether	0.200	0.207		3.5	
Hexachlorobenzene	0.225	0.237		5.3	
Atrazine	0.175	0.161		-8.0	
Pentachlorophenol	0.121	0.122		0.8	20.0
Phenanthrene	0.940	0.958		1.9	
Anthracene	0.921	0.940		2.1	
Carbazole	0.909	0.919		1.1	
Di-n-butylphthalate	1.091	1.108		1.6	
Fluoranthene	1.054	1.040		-1.3	20.0
Pyrene	1.711	1.993		16.5	
Terphenyl-d14	1.152	1.323		14.8	
Butylbenzylphthalate	0.657	0.733		11.6	
3,3-Dichlorobenzidine	0.418	0.425		1.7	
Benzo (a) anthracene	1.314	1.367		4.0	
Chrysene	1.199	1.229		2.5	
Bis(2-ethylhexyl)phthalate	0.877	0.895		2.1	
Di-n-octyl phthalate	1.235	1.193		-3.4	20.0
Benzo (b) fluoranthene	1.308	1.186		-9.3	
Benzo (k) fluoranthene	1.069	1.134		6.1	
Benzo (a) pyrene	1.016	1.047		3.1	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.428		15.6	
Dibenzo (a,h) anthracene	1.021	1.170		14.6	
Benzo (g,h,i) perylene	1.044	1.208		15.7	
1,2,4,5-Tetrachlorobenzene	0.553	0.581		5.1	
1,4-Dioxane	0.522	0.523		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.321		2.6	

All other compounds must meet a minimum RRF of 0.010.