

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JPCL01

Lab Code: CHEM Case No.: P4768 SAS No.: P4768 SDG No.: P4768

Instrument ID: BNA_F Calibration Date/Time: 11/16/2024 09:34

Lab File ID: BF140417.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	1.149		-1.9	
Benzaldehyde	0.951	0.802		-15.7	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.580		-5.6	20.0
bis(2-Chloroethyl)ether	1.268	1.238		-2.4	
2-Chlorophenol	1.258	1.242		-1.3	
2-Methylphenol	1.035	0.999		-3.5	
2,2-oxybis(1-Chloropropane)	1.752	1.611		-8.0	
Acetophenone	0.465	0.454		-2.4	
3+4-Methylphenols	1.295	1.228		-5.2	
n-Nitroso-di-n-propylamine	0.959	0.896	0.050	-6.6	
Nitrobenzene-d5	0.384	0.376		-2.1	
Hexachloroethane	0.520	0.509		-2.1	
Nitrobenzene	0.400	0.390		-2.5	
Isophorone	0.680	0.662		-2.6	
2-Nitrophenol	0.177	0.182		2.8	20.0
2,4-Dimethylphenol	0.227	0.228		0.4	
bis(2-Chloroethoxy)methane	0.417	0.412		-1.2	
2,4-Dichlorophenol	0.281	0.277		-1.4	20.0
Naphthalene	1.015	1.001		-1.4	
4-Chloroaniline	0.353	0.308		-12.7	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.096		3.2	
4-Chloro-3-methylphenol	0.311	0.311		0.0	20.0
2-Methylnaphthalene	0.651	0.639		-1.8	
Hexachlorocyclopentadiene	0.142	0.131	0.050	-7.7	
2,4,6-Trichlorophenol	0.363	0.356		-1.9	20.0
2-Fluorobiphenyl	1.244	1.185		-4.7	
2,4,5-Trichlorophenol	0.397	0.394		-0.8	
1,1-Biphenyl	1.455	1.398		-3.9	
2-Chloronaphthalene	1.108	1.068		-3.6	
2-Nitroaniline	0.368	0.361		-1.9	
Dimethylphthalate	1.304	1.271		-2.5	
Acenaphthylene	1.677	1.620		-3.4	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.297		-4.8	
Acenaphthene	1.133	1.097		-3.2	20.0
2,4-Dinitrophenol	0.153	0.163	0.050	6.5	
4-Nitrophenol	0.228	0.221	0.050	-3.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.546		-3.6	
2,4-Dinitrotoluene	0.391	0.391		0.0	
Diethylphthalate	1.333	1.311		-1.6	
4-Chlorophenyl-phenylether	0.625	0.608		-2.7	
Fluorene	1.267	1.222		-3.6	
4-Nitroaniline	0.319	0.319		0.0	
4,6-Dinitro-2-methylphenol	0.108	0.118		9.3	
n-Nitrosodiphenylamine	0.578	0.561		-2.9	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.198		-1.0	
Hexachlorobenzene	0.225	0.224		-0.4	
Atrazine	0.175	0.153		-12.6	
Pentachlorophenol	0.121	0.122		0.8	20.0
Phenanthrene	0.940	0.898		-4.5	
Anthracene	0.921	0.890		-3.4	
Carbazole	0.909	0.878		-3.4	
Di-n-butylphthalate	1.091	1.089		-0.2	
Fluoranthene	1.054	1.013		-3.9	20.0
Pyrene	1.711	1.804		5.4	
Terphenyl-d14	1.152	1.194		3.6	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.396		-5.3	
Benzo (a) anthracene	1.314	1.329		1.1	
Chrysene	1.199	1.120		-6.6	
Bis(2-ethylhexyl)phthalate	0.877	0.958		9.2	
Di-n-octyl phthalate	1.235	1.274		3.2	20.0
Benzo (b) fluoranthene	1.308	1.209		-7.6	
Benzo (k) fluoranthene	1.069	1.063		-0.6	
Benzo (a) pyrene	1.016	0.999		-1.7	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.265		2.4	
Dibenzo (a,h) anthracene	1.021	1.050		2.8	
Benzo (g,h,i) perylene	1.044	1.054		1.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.544		-1.6	
1,4-Dioxane	0.522	0.504		-3.4	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.317		1.3	

All other compounds must meet a minimum RRF of 0.010.