

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_E Calibration Date/Time: 11/12/2024 10:18

Lab File ID: BE101575.D Init. Calib. Date(s): 11/06/2024 11/06/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.131	1.144		1.1	
Benzaldehyde	0.759	0.637		-16.1	
Phenol-d6	1.551	1.521		-1.9	
Phenol	1.688	1.674		-0.8	20.0
bis(2-Chloroethyl)ether	1.397	1.299		-7.0	
2-Chlorophenol	1.340	1.311		-2.2	
2-Methylphenol	1.093	1.083		-0.9	
2,2-oxybis(1-Chloropropane)	1.654	1.620		-2.1	
Acetophenone	0.453	0.450		-0.7	
3+4-Methylphenols	1.515	1.436		-5.2	
n-Nitroso-di-n-propylamine	1.023	0.964	0.050	-5.8	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.496		-0.8	
Nitrobenzene	0.329	0.342		4.0	
Isophorone	0.616	0.606		-1.6	
2-Nitrophenol	0.175	0.178		1.7	20.0
2,4-Dimethylphenol	0.203	0.200		-1.5	
bis(2-Chloroethoxy)methane	0.377	0.369		-2.1	
2,4-Dichlorophenol	0.288	0.285		-1.0	20.0
Naphthalene	1.010	1.004		-0.6	
4-Chloroaniline	0.355	0.354		-0.3	
Hexachlorobutadiene	0.198	0.197		-0.5	20.0
Caprolactam	0.106	0.100		-5.7	
4-Chloro-3-methylphenol	0.314	0.305		-2.9	20.0
2-Methylnaphthalene	0.717	0.691		-3.6	
Hexachlorocyclopentadiene	0.154	0.169	0.050	9.7	
2,4,6-Trichlorophenol	0.362	0.367		1.4	20.0
2-Fluorobiphenyl	1.225	1.272		3.8	
2,4,5-Trichlorophenol	0.403	0.405		0.5	
1,1-Biphenyl	1.380	1.417		2.7	
2-Chloronaphthalene	1.088	1.105		1.6	
2-Nitroaniline	0.288	0.314		9.0	
Dimethylphthalate	1.424	1.379		-3.2	
Acenaphthylene	1.622	1.643		1.3	
2,6-Dinitrotoluene	0.329	0.331		0.6	
3-Nitroaniline	0.319	0.336		5.3	
Acenaphthene	1.035	1.053		1.7	20.0
2,4-Dinitrophenol	0.193	0.200	0.050	3.6	
4-Nitrophenol	0.264	0.279	0.050	5.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.655		-0.7	
2,4-Dinitrotoluene	0.462	0.469		1.5	
Diethylphthalate	1.502	1.462		-2.7	
4-Chlorophenyl-phenylether	0.706	0.688		-2.5	
Fluorene	1.391	1.403		0.9	
4-Nitroaniline	0.344	0.366		6.4	
4,6-Dinitro-2-methylphenol	0.119	0.124		4.2	
n-Nitrosodiphenylamine	0.531	0.531		0.0	20.0
2,4,6-Tribromophenol	0.376	0.358		-4.8	
4-Bromophenyl-phenylether	0.221	0.215		-2.7	
Hexachlorobenzene	0.290	0.280		-3.4	
Atrazine	0.157	0.151		-3.8	
Pentachlorophenol	0.158	0.160		1.3	20.0
Phenanthrene	0.973	0.971		-0.2	
Anthracene	0.961	0.970		0.9	
Carbazole	0.963	0.977		1.5	
Di-n-butylphthalate	1.190	1.176		-1.2	
Fluoranthene	1.247	1.250		0.2	20.0
Pyrene	1.138	1.143		0.4	
Terphenyl-d14	0.904	0.906		0.2	
Butylbenzylphthalate	0.511	0.511		0.0	
3,3-Dichlorobenzidine	0.468	0.485		3.6	
Benzo (a) anthracene	1.188	1.172		-1.3	
Chrysene	1.129	1.122		-0.6	
Bis(2-ethylhexyl)phthalate	0.773	0.758		-1.9	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo (b) fluoranthene	1.097	1.086		-1.0	
Benzo (k) fluoranthene	0.996	1.026		3.0	
Benzo (a) pyrene	0.947	0.951		0.4	20.0
Indeno (1,2,3-cd) pyrene	1.374	1.381		0.5	
Dibenzo (a,h) anthracene	1.145	1.157		1.0	
Benzo (g,h,i) perylene	1.163	1.156		-0.6	
1,2,4,5-Tetrachlorobenzene	0.527	0.541		2.7	
1,4-Dioxane	0.421	0.425		0.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.363		-2.7	

All other compounds must meet a minimum RRF of 0.010.