

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FURI01

Lab Code: CHEM Case No.: P4732 SAS No.: P4732 SDG No.: P4732

Instrument ID: BNA_E Calibration Date/Time: 11/08/2024 10:07

Lab File ID: BE101544.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	1.156		2.2	
Benzaldehyde	0.759	0.657		-13.4	
Phenol-d6	1.551	1.606		3.5	
Phenol	1.688	1.758		4.1	20.0
bis(2-Chloroethyl)ether	1.397	1.613		15.5	
2-Chlorophenol	1.340	1.363		1.7	
2-Methylphenol	1.093	1.113		1.8	
2,2-oxybis(1-Chloropropane)	1.654	1.702		2.9	
Acetophenone	0.453	0.453		0.0	
3+4-Methylphenols	1.515	1.581		4.4	
n-Nitroso-di-n-propylamine	1.023	1.081	0.050	5.7	
Nitrobenzene-d5	0.317	0.329		3.8	
Hexachloroethane	0.500	0.497		-0.6	
Nitrobenzene	0.329	0.344		4.6	
Isophorone	0.616	0.644		4.5	
2-Nitrophenol	0.175	0.181		3.4	20.0
2,4-Dimethylphenol	0.203	0.203		0.0	
bis(2-Chloroethoxy)methane	0.377	0.379		0.5	
2,4-Dichlorophenol	0.288	0.295		2.4	20.0
Naphthalene	1.010	1.009		-0.1	
4-Chloroaniline	0.355	0.376		5.9	
Hexachlorobutadiene	0.198	0.190		-4.0	20.0
Caprolactam	0.106	0.121		14.2	
4-Chloro-3-methylphenol	0.314	0.342		8.9	20.0
2-Methylnaphthalene	0.717	0.735		2.5	
Hexachlorocyclopentadiene	0.154	0.152	0.050	-1.3	
2,4,6-Trichlorophenol	0.362	0.358		-1.1	20.0
2-Fluorobiphenyl	1.225	1.192		-2.7	
2,4,5-Trichlorophenol	0.403	0.404		0.2	
1,1-Biphenyl	1.380	1.327		-3.8	
2-Chloronaphthalene	1.088	1.047		-3.8	
2-Nitroaniline	0.288	0.319		10.8	
Dimethylphthalate	1.424	1.446		1.5	
Acenaphthylene	1.622	1.637		0.9	
2,6-Dinitrotoluene	0.329	0.343		4.3	
3-Nitroaniline	0.319	0.354		11.0	
Acenaphthene	1.035	1.044		0.9	20.0
2,4-Dinitrophenol	0.193	0.221	0.050	14.5	
4-Nitrophenol	0.264	0.296	0.050	12.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.672		0.4	
2,4-Dinitrotoluene	0.462	0.497		7.6	
Diethylphthalate	1.502	1.558		3.7	
4-Chlorophenyl-phenylether	0.706	0.710		0.6	
Fluorene	1.391	1.437		3.3	
4-Nitroaniline	0.344	0.392		14.0	
4,6-Dinitro-2-methylphenol	0.119	0.132		10.9	
n-Nitrosodiphenylamine	0.531	0.536		0.9	20.0
2,4,6-Tribromophenol	0.376	0.380		1.1	
4-Bromophenyl-phenylether	0.221	0.214		-3.2	
Hexachlorobenzene	0.290	0.292		0.7	
Atrazine	0.157	0.168		7.0	
Pentachlorophenol	0.158	0.168		6.3	20.0
Phenanthrene	0.973	0.978		0.5	
Anthracene	0.961	0.978		1.8	
Carbazole	0.963	0.979		1.7	
Di-n-butylphthalate	1.190	1.202		1.0	
Fluoranthene	1.247	1.249		0.2	20.0
Pyrene	1.138	1.173		3.1	
Terphenyl-d14	0.904	0.945		4.5	
Butylbenzylphthalate	0.511	0.521		2.0	
3,3-Dichlorobenzidine	0.468	0.476		1.7	
Benzo (a) anthracene	1.188	1.217		2.4	
Chrysene	1.129	1.139		0.9	
Bis(2-ethylhexyl)phthalate	0.773	0.763		-1.3	
Di-n-octyl phthalate	1.308	1.299		-0.7	20.0
Benzo (b) fluoranthene	1.097	1.076		-1.9	
Benzo (k) fluoranthene	0.996	1.042		4.6	
Benzo (a) pyrene	0.947	0.958		1.2	20.0
Indeno (1,2,3-cd) pyrene	1.374	1.383		0.7	
Dibenzo (a,h) anthracene	1.145	1.159		1.2	
Benzo (g,h,i) perylene	1.163	1.145		-1.5	
1,2,4,5-Tetrachlorobenzene	0.527	0.489		-7.2	
1,4-Dioxane	0.421	0.429		1.9	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.380		1.9	

All other compounds must meet a minimum RRF of 0.010.