

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: RTHR01

Lab Code: CHEM Case No.: P5093 SAS No.: P5093 SDG No.: P5093

Instrument ID: BNA_F Calibration Date/Time: 12/06/2024 12:08

Lab File ID: BF140760.D Init. Calib. Date(s): 11/21/2024 11/21/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:13 14:18

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.219		4.0	
Benzaldehyde	0.820	0.698		-14.9	
Phenol-d6	1.550	1.600		3.2	
Phenol	1.583	1.642		3.7	20.0
bis(2-Chloroethyl)ether	1.211	1.301		7.4	
2-Chlorophenol	1.261	1.329		5.4	
2-Methylphenol	1.010	1.049		3.9	
2,2-oxybis(1-Chloropropane)	1.431	1.467		2.5	
Acetophenone	0.488	0.519		6.4	
3+4-Methylphenols	1.298	1.394		7.4	
n-Nitroso-di-n-propylamine	0.916	0.954	0.050	4.1	
Nitrobenzene-d5	0.391	0.403		3.1	
Hexachloroethane	0.536	0.558		4.1	
Nitrobenzene	0.404	0.418		3.5	
Isophorone	0.652	0.688		5.5	
2-Nitrophenol	0.179	0.197		10.1	20.0
2,4-Dimethylphenol	0.214	0.240		12.1	
bis(2-Chloroethoxy)methane	0.397	0.431		8.6	
2,4-Dichlorophenol	0.284	0.310		9.2	20.0
Naphthalene	1.030	1.097		6.5	
4-Chloroaniline	0.308	0.343		11.4	
Hexachlorobutadiene	0.215	0.231		7.4	20.0
Caprolactam	0.088	0.093		5.7	
4-Chloro-3-methylphenol	0.318	0.340		6.9	20.0
2-Methylnaphthalene	0.654	0.711		8.7	
Hexachlorocyclopentadiene	0.107	0.127	0.050	18.7	
2,4,6-Trichlorophenol	0.367	0.389		6.0	20.0
2-Fluorobiphenyl	1.342	1.395		3.9	
2,4,5-Trichlorophenol	0.399	0.420		5.3	
1,1-Biphenyl	1.493	1.572		5.3	
2-Chloronaphthalene	1.131	1.192		5.4	
2-Nitroaniline	0.363	0.365		0.6	
Dimethylphthalate	1.317	1.408		6.9	
Acenaphthylene	1.710	1.791		4.7	
2,6-Dinitrotoluene	0.299	0.319		6.7	
3-Nitroaniline	0.292	0.309		5.8	
Acenaphthene	1.086	1.128		3.9	20.0
2,4-Dinitrophenol	0.122	0.186	0.050	52.5	
4-Nitrophenol	0.199	0.251	0.050	26.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.698		2.5	
2,4-Dinitrotoluene	0.397	0.428		7.8	
Diethylphthalate	1.338	1.450		8.4	
4-Chlorophenyl-phenylether	0.653	0.719		10.1	
Fluorene	1.330	1.400		5.3	
4-Nitroaniline	0.306	0.318		3.9	
4,6-Dinitro-2-methylphenol	0.102	0.125		22.5	
n-Nitrosodiphenylamine	0.591	0.622		5.2	20.0
2,4,6-Tribromophenol	0.214	0.232		8.4	
4-Bromophenyl-phenylether	0.206	0.229		11.2	
Hexachlorobenzene	0.238	0.255		7.1	
Atrazine	0.166	0.141		-15.1	
Pentachlorophenol	0.105	0.108		2.9	20.0
Phenanthrene	0.961	1.011		5.2	
Anthracene	0.940	1.001		6.5	
Carbazole	0.905	0.968		7.0	
Di-n-butylphthalate	1.044	1.208		15.7	
Fluoranthene	1.044	1.149		10.1	20.0
Pyrene	1.849	1.921		3.9	
Terphenyl-d14	1.284	1.356		5.6	
Butylbenzylphthalate	0.666	0.741		11.3	
3,3-Dichlorobenzidine	0.397	0.427		7.6	
Benzo (a) anthracene	1.324	1.390		5.0	
Chrysene	1.211	1.297		7.1	
Bis(2-ethylhexyl)phthalate	0.841	0.902		7.3	
Di-n-octyl phthalate	1.150	1.265		10.0	20.0
Benzo (b) fluoranthene	1.256	1.335		6.3	
Benzo (k) fluoranthene	1.099	1.193		8.6	
Benzo (a) pyrene	1.021	1.094		7.2	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.417		8.7	
Dibenzo (a,h) anthracene	1.067	1.180		10.6	
Benzo (g,h,i) perylene	1.089	1.194		9.6	
1,2,4,5-Tetrachlorobenzene	0.586	0.622		6.1	
1,4-Dioxane	0.493	0.492		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.357		16.7	

All other compounds must meet a minimum RRF of 0.010.