

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: 12/09/2024 12:21

Lab File ID: BF140783.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	1.252		6.8	
Benzaldehyde	0.820	0.777		-5.2	
Phenol-d6	1.550	1.644		6.1	
Phenol	1.583	1.729		9.2	20.0
bis(2-Chloroethyl)ether	1.211	1.284		6.0	
2-Chlorophenol	1.261	1.362		8.0	
2-Methylphenol	1.010	1.067		5.6	
2,2-oxybis(1-Chloropropane)	1.431	1.462		2.2	
Acetophenone	0.488	0.510		4.5	
3+4-Methylphenols	1.298	1.393		7.3	
n-Nitroso-di-n-propylamine	0.916	0.933	0.050	1.9	
Nitrobenzene-d5	0.391	0.405		3.6	
Hexachloroethane	0.536	0.553		3.2	
Nitrobenzene	0.404	0.419		3.7	
Isophorone	0.652	0.669		2.6	
2-Nitrophenol	0.179	0.193		7.8	20.0
2,4-Dimethylphenol	0.214	0.242		13.1	
bis(2-Chloroethoxy)methane	0.397	0.410		3.3	
2,4-Dichlorophenol	0.284	0.306		7.7	20.0
Naphthalene	1.030	1.084		5.2	
4-Chloroaniline	0.308	0.350		13.6	
Hexachlorobutadiene	0.215	0.221		2.8	20.0
Caprolactam	0.088	0.096		9.1	
4-Chloro-3-methylphenol	0.318	0.339		6.6	20.0
2-Methylnaphthalene	0.654	0.686		4.9	
Hexachlorocyclopentadiene	0.107	0.093	0.050	-13.1	
2,4,6-Trichlorophenol	0.367	0.387		5.4	20.0
2-Fluorobiphenyl	1.342	1.398		4.2	
2,4,5-Trichlorophenol	0.399	0.423		6.0	
1,1-Biphenyl	1.493	1.561		4.6	
2-Chloronaphthalene	1.131	1.196		5.7	
2-Nitroaniline	0.363	0.389		7.2	
Dimethylphthalate	1.317	1.364		3.6	
Acenaphthylene	1.710	1.810		5.8	
2,6-Dinitrotoluene	0.299	0.321		7.4	
3-Nitroaniline	0.292	0.333		14.0	
Acenaphthene	1.086	1.135		4.5	20.0
2,4-Dinitrophenol	0.122	0.184	0.050	50.8	
4-Nitrophenol	0.199	0.291	0.050	46.2	

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: 12/09/2024 12:21

Lab File ID: BF140783.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
Dibenzofuran	1.657	1.724		4.0	
2,4-Dinitrotoluene	0.397	0.431		8.6	
Diethylphthalate	1.338	1.355		1.3	
4-Chlorophenyl-phenylether	0.653	0.672		2.9	
Fluorene	1.330	1.417		6.5	
4-Nitroaniline	0.306	0.358		17.0	
4,6-Dinitro-2-methylphenol	0.102	0.124		21.6	
n-Nitrosodiphenylamine	0.591	0.617		4.4	20.0
2,4,6-Tribromophenol	0.214	0.229		7.0	
4-Bromophenyl-phenylether	0.206	0.214		3.9	
Hexachlorobenzene	0.238	0.251		5.5	
Atrazine	0.166	0.133		-19.9	
Pentachlorophenol	0.105	0.101		-3.8	20.0
Phenanthrene	0.961	1.015		5.6	
Anthracene	0.940	1.016		8.1	
Carbazole	0.905	1.008		11.4	
Di-n-butylphthalate	1.044	1.069		2.4	
Fluoranthene	1.044	1.160		11.1	20.0
Pyrene	1.849	1.922		3.9	
Terphenyl-d14	1.284	1.290		0.5	
Butylbenzylphthalate	0.666	0.652		-2.1	
3,3-Dichlorobenzidine	0.397	0.429		8.1	
Benzo (a) anthracene	1.324	1.384		4.5	
Chrysene	1.211	1.274		5.2	
Bis(2-ethylhexyl)phthalate	0.841	0.740		-12.0	
Di-n-octyl phthalate	1.150	0.959		-16.6	20.0
Benzo (b) fluoranthene	1.256	1.432		14.0	
Benzo (k) fluoranthene	1.099	1.064		-3.2	
Benzo (a) pyrene	1.021	1.084		6.2	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.386		6.4	
Dibenzo (a,h) anthracene	1.067	1.139		6.7	
Benzo (g,h,i) perylene	1.089	1.196		9.8	
1,2,4,5-Tetrachlorobenzene	0.586	0.615		4.9	
1,4-Dioxane	0.493	0.543		10.1	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.341		11.4	

All other compounds must meet a minimum RRF of 0.010.