

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/22/2024 09:20

Lab File ID: BF140564.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	1.136		-3.1	
Benzaldehyde	0.820	0.737		-10.1	
Phenol-d6	1.550	1.480		-4.5	
Phenol	1.583	1.539		-2.8	20.0
bis(2-Chloroethyl)ether	1.211	1.155		-4.6	
2-Chlorophenol	1.261	1.212		-3.9	
2-Methylphenol	1.010	0.974		-3.6	
2,2-oxybis(1-Chloropropane)	1.431	1.379		-3.6	
Acetophenone	0.488	0.472		-3.3	
3+4-Methylphenols	1.298	1.249		-3.8	
n-Nitroso-di-n-propylamine	0.916	0.888	0.050	-3.1	
Nitrobenzene-d5	0.391	0.381		-2.6	
Hexachloroethane	0.536	0.518		-3.4	
Nitrobenzene	0.404	0.391		-3.2	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.176		-1.7	20.0
2,4-Dimethylphenol	0.214	0.219		2.3	
bis(2-Chloroethoxy)methane	0.397	0.396		-0.3	
2,4-Dichlorophenol	0.284	0.281		-1.1	20.0
Naphthalene	1.030	1.010		-1.9	
4-Chloroaniline	0.308	0.302		-1.9	
Hexachlorobutadiene	0.215	0.216		0.5	20.0
Caprolactam	0.088	0.087		-1.1	
4-Chloro-3-methylphenol	0.318	0.316		-0.6	20.0
2-Methylnaphthalene	0.654	0.649		-0.8	
Hexachlorocyclopentadiene	0.107	0.121	0.050	13.1	
2,4,6-Trichlorophenol	0.367	0.365		-0.5	20.0
2-Fluorobiphenyl	1.342	1.316		-1.9	
2,4,5-Trichlorophenol	0.399	0.398		-0.3	
1,1-Biphenyl	1.493	1.460		-2.2	
2-Chloronaphthalene	1.131	1.105		-2.3	
2-Nitroaniline	0.363	0.355		-2.2	
Dimethylphthalate	1.317	1.297		-1.5	
Acenaphthylene	1.710	1.667		-2.5	
2,6-Dinitrotoluene	0.299	0.295		-1.3	
3-Nitroaniline	0.292	0.286		-2.1	
Acenaphthene	1.086	1.062		-2.2	20.0
2,4-Dinitrophenol	0.122	0.142	0.050	16.4	
4-Nitrophenol	0.199	0.195	0.050	-2.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.608		-3.0	
2,4-Dinitrotoluene	0.397	0.395		-0.5	
Diethylphthalate	1.338	1.329		-0.7	
4-Chlorophenyl-phenylether	0.653	0.646		-1.1	
Fluorene	1.330	1.293		-2.8	
4-Nitroaniline	0.306	0.301		-1.6	
4,6-Dinitro-2-methylphenol	0.102	0.114		11.8	
n-Nitrosodiphenylamine	0.591	0.578		-2.2	20.0
2,4,6-Tribromophenol	0.214	0.214		0.0	
4-Bromophenyl-phenylether	0.206	0.211		2.4	
Hexachlorobenzene	0.238	0.238		0.0	
Atrazine	0.166	0.170		2.4	
Pentachlorophenol	0.105	0.117		11.4	20.0
Phenanthrene	0.961	0.927		-3.5	
Anthracene	0.940	0.929		-1.2	
Carbazole	0.905	0.889		-1.8	
Di-n-butylphthalate	1.044	1.085		3.9	
Fluoranthene	1.044	1.051		0.7	20.0
Pyrene	1.849	1.694		-8.4	
Terphenyl-d14	1.284	1.206		-6.1	
Butylbenzylphthalate	0.666	0.682		2.4	
3,3-Dichlorobenzidine	0.397	0.386		-2.8	
Benzo (a) anthracene	1.324	1.267		-4.3	
Chrysene	1.211	1.189		-1.8	
Bis(2-ethylhexyl)phthalate	0.841	0.931		10.7	
Di-n-octyl phthalate	1.150	1.357		18.0	20.0
Benzo (b) fluoranthene	1.256	1.395		11.1	
Benzo (k) fluoranthene	1.099	1.080		-1.7	
Benzo (a) pyrene	1.021	1.024		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.194		-8.4	
Dibenzo (a,h) anthracene	1.067	1.005		-5.8	
Benzo (g,h,i) perylene	1.089	0.991		-9.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.481		-2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.324		5.9	

All other compounds must meet a minimum RRF of 0.010.