

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: BNA_F Calibration Date/Time: 11/25/2024 15:49

Lab File ID: BF140604.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	1.153		-1.6	
Benzaldehyde	0.820	0.848		3.4	
Phenol-d6	1.550	1.521		-1.9	
Phenol	1.583	1.580		-0.2	20.0
bis(2-Chloroethyl)ether	1.211	1.199		-1.0	
2-Chlorophenol	1.261	1.217		-3.5	
2-Methylphenol	1.010	1.019		0.9	
2,2-oxybis(1-Chloropropane)	1.431	1.429		-0.1	
Acetophenone	0.488	0.464		-4.9	
3+4-Methylphenols	1.298	1.259		-3.0	
n-Nitroso-di-n-propylamine	0.916	0.876	0.050	-4.4	
Nitrobenzene-d5	0.391	0.378		-3.3	
Hexachloroethane	0.536	0.521		-2.8	
Nitrobenzene	0.404	0.392		-3.0	
Isophorone	0.652	0.640		-1.8	
2-Nitrophenol	0.179	0.180		0.6	20.0
2,4-Dimethylphenol	0.214	0.224		4.7	
bis(2-Chloroethoxy)methane	0.397	0.393		-1.0	
2,4-Dichlorophenol	0.284	0.284		0.0	20.0
Naphthalene	1.030	1.014		-1.6	
4-Chloroaniline	0.308	0.335		8.8	
Hexachlorobutadiene	0.215	0.210		-2.3	20.0
Caprolactam	0.088	0.088		0.0	
4-Chloro-3-methylphenol	0.318	0.313		-1.6	20.0
2-Methylnaphthalene	0.654	0.641		-2.0	
Hexachlorocyclopentadiene	0.107	0.106	0.050	-0.9	
2,4,6-Trichlorophenol	0.367	0.358		-2.5	20.0
2-Fluorobiphenyl	1.342	1.282		-4.5	
2,4,5-Trichlorophenol	0.399	0.395		-1.0	
1,1-Biphenyl	1.493	1.467		-1.7	
2-Chloronaphthalene	1.131	1.111		-1.8	
2-Nitroaniline	0.363	0.351		-3.3	
Dimethylphthalate	1.317	1.260		-4.3	
Acenaphthylene	1.710	1.672		-2.2	
2,6-Dinitrotoluene	0.299	0.296		-1.0	
3-Nitroaniline	0.292	0.283		-3.1	
Acenaphthene	1.086	1.050		-3.3	20.0
2,4-Dinitrophenol	0.122	0.123	0.050	0.8	
4-Nitrophenol	0.199	0.174	0.050	-12.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.581		-4.6	
2,4-Dinitrotoluene	0.397	0.389		-2.0	
Diethylphthalate	1.338	1.281		-4.3	
4-Chlorophenyl-phenylether	0.653	0.627		-4.0	
Fluorene	1.330	1.276		-4.1	
4-Nitroaniline	0.306	0.293		-4.2	
4,6-Dinitro-2-methylphenol	0.102	0.109		6.9	
n-Nitrosodiphenylamine	0.591	0.583		-1.4	20.0
2,4,6-Tribromophenol	0.214	0.206		-3.7	
4-Bromophenyl-phenylether	0.206	0.205		-0.5	
Hexachlorobenzene	0.238	0.236		-0.8	
Atrazine	0.166	0.164		-1.2	
Pentachlorophenol	0.105	0.106		1.0	20.0
Phenanthrene	0.961	0.943		-1.9	
Anthracene	0.940	0.931		-1.0	
Carbazole	0.905	0.887		-2.0	
Di-n-butylphthalate	1.044	1.030		-1.3	
Fluoranthene	1.044	1.007		-3.5	20.0
Pyrene	1.849	1.851		0.1	
Terphenyl-d14	1.284	1.258		-2.0	
Butylbenzylphthalate	0.666	0.676		1.5	
3,3-Dichlorobenzidine	0.397	0.401		1.0	
Benzo (a) anthracene	1.324	1.285		-2.9	
Chrysene	1.211	1.210		-0.1	
Bis(2-ethylhexyl)phthalate	0.841	0.846		0.6	
Di-n-octyl phthalate	1.150	1.150		0.0	20.0
Benzo (b) fluoranthene	1.256	1.146		-8.8	
Benzo (k) fluoranthene	1.099	1.148		4.5	
Benzo (a) pyrene	1.021	1.028		0.7	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.241		-4.8	
Dibenzo (a,h) anthracene	1.067	1.017		-4.7	
Benzo (g,h,i) perylene	1.089	1.022		-6.2	
1,2,4,5-Tetrachlorobenzene	0.586	0.573		-2.2	
1,4-Dioxane	0.493	0.505		2.4	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.314		2.6	

All other compounds must meet a minimum RRF of 0.010.