

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P5299 SAS No.: P5299 SDG No.: P5299

Instrument ID: BNA_F Calibration Date/Time: 12/20/2024 11:15

Lab File ID: BF140942.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.215	1.104		-9.1	
Benzaldehyde	0.892	0.796		-10.8	
Phenol-d6	1.609	1.494		-7.1	
Phenol	1.668	1.561		-6.4	20.0
bis(2-Chloroethyl)ether	1.244	1.156		-7.1	
2-Chlorophenol	1.325	1.292		-2.5	
2-Methylphenol	1.058	1.007		-4.8	
2,2-oxybis(1-Chloropropane)	1.465	1.317		-10.1	
Acetophenone	0.500	0.486		-2.8	
3+4-Methylphenols	1.403	1.351		-3.7	
n-Nitroso-di-n-propylamine	0.965	0.859	0.050	-11.0	
Nitrobenzene-d5	0.400	0.385		-3.8	
Hexachloroethane	0.570	0.521		-8.6	
Nitrobenzene	0.410	0.382		-6.8	
Isophorone	0.670	0.637		-4.9	
2-Nitrophenol	0.189	0.198		4.8	20.0
2,4-Dimethylphenol	0.220	0.222		0.9	
bis(2-Chloroethoxy)methane	0.418	0.406		-2.9	
2,4-Dichlorophenol	0.304	0.299		-1.6	20.0
Naphthalene	1.099	1.079		-1.8	
4-Chloroaniline	0.365	0.358		-1.9	
Hexachlorobutadiene	0.235	0.225		-4.3	20.0
Caprolactam	0.091	0.084		-7.7	
4-Chloro-3-methylphenol	0.342	0.320		-6.4	20.0
2-Methylnaphthalene	0.727	0.696		-4.3	
Hexachlorocyclopentadiene	0.153	0.117	0.050	-23.5	
2,4,6-Trichlorophenol	0.376	0.341		-9.3	20.0
2-Fluorobiphenyl	1.455	1.340		-7.9	
2,4,5-Trichlorophenol	0.414	0.369		-10.9	
1,1-Biphenyl	1.590	1.490		-6.3	
2-Chloronaphthalene	1.217	1.152		-5.3	
2-Nitroaniline	0.367	0.325		-11.4	
Dimethylphthalate	1.410	1.310		-7.1	
Acenaphthylene	1.788	1.741		-2.6	
2,6-Dinitrotoluene	0.322	0.318		-1.2	
3-Nitroaniline	0.320	0.316		-1.3	
Acenaphthene	1.142	1.107		-3.1	20.0
2,4-Dinitrophenol	0.132	0.127	0.050	-3.8	
4-Nitrophenol	0.150	0.143	0.050	-4.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.682		-5.0	
2,4-Dinitrotoluene	0.424	0.408		-3.8	
Diethylphthalate	1.462	1.314		-10.1	
4-Chlorophenyl-phenylether	0.733	0.682		-7.0	
Fluorene	1.460	1.356		-7.1	
4-Nitroaniline	0.334	0.310		-7.2	
4,6-Dinitro-2-methylphenol	0.113	0.114		0.9	
n-Nitrosodiphenylamine	0.615	0.657		6.8	20.0
2,4,6-Tribromophenol	0.237	0.214		-9.7	
4-Bromophenyl-phenylether	0.224	0.230		2.7	
Hexachlorobenzene	0.254	0.264		3.9	
Atrazine	0.172	0.144		-16.3	
Pentachlorophenol	0.093	0.077		-17.2	20.0
Phenanthrene	1.028	0.981		-4.6	
Anthracene	1.013	0.983		-3.0	
Carbazole	0.992	0.954		-3.8	
Di-n-butylphthalate	1.164	1.178		1.2	
Fluoranthene	1.184	1.083		-8.5	20.0
Pyrene	1.779	1.904		7.0	
Terphenyl-d14	1.268	1.393		9.9	
Butylbenzylphthalate	0.654	0.631		-3.5	
3,3-Dichlorobenzidine	0.428	0.390		-8.9	
Benzo (a) anthracene	1.417	1.356		-4.3	
Chrysene	1.289	1.279		-0.8	
Bis(2-ethylhexyl)phthalate	0.844	0.789		-6.5	
Di-n-octyl phthalate	1.277	1.023		-19.9	20.0
Benzo (b) fluoranthene	1.388	1.319		-5.0	
Benzo (k) fluoranthene	1.191	1.123		-5.7	
Benzo (a) pyrene	1.087	1.066		-1.9	20.0
Indeno (1,2,3-cd) pyrene	1.248	1.605		28.6	
Dibenzo (a,h) anthracene	1.034	1.335		29.1	
Benzo (g,h,i) perylene	1.052	1.276		21.3	
1,2,4,5-Tetrachlorobenzene	0.615	0.574		-6.7	
1,4-Dioxane	0.523	0.501		-4.2	20.0
2,3,4,6-Tetrachlorophenol	0.337	0.314		-6.8	

All other compounds must meet a minimum RRF of 0.010.