

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5270 SAS No.: P5270 SDG No.: P5270

Instrument ID: BNA_F Calibration Date/Time: 12/13/2024 12:14

Lab File ID: BF140838.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	1.211		3.3	
Benzaldehyde	0.820	0.762		-7.1	
Phenol-d6	1.550	1.558		0.5	
Phenol	1.583	1.609		1.6	20.0
bis(2-Chloroethyl)ether	1.211	1.273		5.1	
2-Chlorophenol	1.261	1.310		3.9	
2-Methylphenol	1.010	1.018		0.8	
2,2-oxybis(1-Chloropropane)	1.431	1.382		-3.4	
Acetophenone	0.488	0.499		2.3	
3+4-Methylphenols	1.298	1.356		4.5	
n-Nitroso-di-n-propylamine	0.916	0.906	0.050	-1.1	
Nitrobenzene-d5	0.391	0.398		1.8	
Hexachloroethane	0.536	0.554		3.4	
Nitrobenzene	0.404	0.405		0.2	
Isophorone	0.652	0.651		-0.2	
2-Nitrophenol	0.179	0.194		8.4	20.0
2,4-Dimethylphenol	0.214	0.230		7.5	
bis(2-Chloroethoxy)methane	0.397	0.405		2.0	
2,4-Dichlorophenol	0.284	0.300		5.6	20.0
Naphthalene	1.030	1.068		3.7	
4-Chloroaniline	0.308	0.339		10.1	
Hexachlorobutadiene	0.215	0.232		7.9	20.0
Caprolactam	0.088	0.090		2.3	
4-Chloro-3-methylphenol	0.318	0.334		5.0	20.0
2-Methylnaphthalene	0.654	0.686		4.9	
Hexachlorocyclopentadiene	0.107	0.138	0.050	29.0	
2,4,6-Trichlorophenol	0.367	0.369		0.5	20.0
2-Fluorobiphenyl	1.342	1.390		3.6	
2,4,5-Trichlorophenol	0.399	0.415		4.0	
1,1-Biphenyl	1.493	1.567		5.0	
2-Chloronaphthalene	1.131	1.192		5.4	
2-Nitroaniline	0.363	0.374		3.0	
Dimethylphthalate	1.317	1.358		3.1	
Acenaphthylene	1.710	1.730		1.2	
2,6-Dinitrotoluene	0.299	0.316		5.7	
3-Nitroaniline	0.292	0.314		7.5	
Acenaphthene	1.086	1.116		2.8	20.0
2,4-Dinitrophenol	0.122	0.200	0.050	63.9	
4-Nitrophenol	0.199	0.242	0.050	21.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.657	1.696		2.4	
2,4-Dinitrotoluene	0.397	0.420		5.8	
Diethylphthalate	1.338	1.383		3.4	
4-Chlorophenyl-phenylether	0.653	0.696		6.6	
Fluorene	1.330	1.412		6.2	
4-Nitroaniline	0.306	0.336		9.8	
4,6-Dinitro-2-methylphenol	0.102	0.129		26.5	
n-Nitrosodiphenylamine	0.591	0.602		1.9	20.0
2,4,6-Tribromophenol	0.214	0.232		8.4	
4-Bromophenyl-phenylether	0.206	0.215		4.4	
Hexachlorobenzene	0.238	0.248		4.2	
Atrazine	0.166	0.143		-13.9	
Pentachlorophenol	0.105	0.108		2.9	20.0
Phenanthrene	0.961	1.002		4.3	
Anthracene	0.940	0.982		4.5	
Carbazole	0.905	0.973		7.5	
Di-n-butylphthalate	1.044	1.101		5.5	
Fluoranthene	1.044	1.133		8.5	20.0
Pyrene	1.849	1.826		-1.2	
Terphenyl-d14	1.284	1.258		-2.0	
Butylbenzylphthalate	0.666	0.635		-4.7	
3,3-Dichlorobenzidine	0.397	0.441		11.1	
Benzo (a) anthracene	1.324	1.377		4.0	
Chrysene	1.211	1.280		5.7	
Bis(2-ethylhexyl)phthalate	0.841	0.755		-10.2	
Di-n-octyl phthalate	1.150	1.041		-9.5	20.0
Benzo (b) fluoranthene	1.256	1.257		0.1	
Benzo (k) fluoranthene	1.099	1.231		12.0	
Benzo (a) pyrene	1.021	1.086		6.4	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.364		4.7	
Dibenzo (a,h) anthracene	1.067	1.131		6.0	
Benzo (g,h,i) perylene	1.089	1.154		6.0	
1,2,4,5-Tetrachlorobenzene	0.586	0.612		4.4	
1,4-Dioxane	0.493	0.479		-2.8	20.0
2,3,4,6-Tetrachlorophenol	0.306	0.351		14.7	

All other compounds must meet a minimum RRF of 0.010.