

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3451 SAS No.: P3451 SDG No.: P3451

Instrument ID: BNA_F Calibration Date/Time: 08/08/2024 10:19

Lab File ID: BF138856.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.374	1.221		-11.1	
2-Fluorophenol	1.296	1.292		-0.3	
Benzaldehyde	1.043	0.907		-13.0	
Phenol-d6	1.740	1.701		-2.2	
2-Methylphenol	1.126	1.115		-1.0	
3+4-Methylphenols	1.444	1.489		3.1	
Nitrobenzene-d5	0.409	0.419		2.4	
Hexachloroethane	0.580	0.581		0.2	
Nitrobenzene	0.416	0.409		-1.7	
Naphthalene	1.053	1.039		-1.3	
Hexachlorobutadiene	0.192	0.205		6.8	20.0
2-Methylnaphthalene	0.665	0.668		0.5	
2,4,6-Trichlorophenol	0.339	0.347		2.4	20.0
2-Fluorobiphenyl	1.331	1.429		7.3	
2,4,5-Trichlorophenol	0.370	0.381		3.0	
Acenaphthylene	1.652	1.708		3.4	
Acenaphthene	1.111	1.150		3.5	20.0
Dibenzofuran	1.568	1.630		4.0	
2,4-Dinitrotoluene	0.368	0.416		13.0	
Fluorene	1.249	1.357		8.6	
2,4,6-Tribromophenol	0.164	0.175		6.7	
Hexachlorobenzene	0.224	0.233		4.0	
Pentachlorophenol	0.101	0.114		12.9	20.0
Phenanthrene	1.030	1.049		1.8	
Anthracene	1.015	1.046		3.1	
Carbazole	0.875	0.906		3.5	
Di-n-butylphthalate	0.984	1.116		13.4	
Fluoranthene	0.961	0.994		3.4	20.0
Pyrene	1.883	2.073		10.1	
Terphenyl-d14	1.195	1.336		11.8	
Benzo (a) anthracene	1.377	1.425		3.5	
Chrysene	1.243	1.214		-2.3	
Bis (2-ethylhexyl) phthalate	0.883	0.781		-11.6	
Benzo (b) fluoranthene	1.240	1.340		8.1	
Benzo (k) fluoranthene	1.073	1.021		-4.8	
Benzo (a) pyrene	1.043	1.062		1.8	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.384		-3.4	
Dibenzo (a,h) anthracene	1.177	1.124		-4.5	
Benzo (g,h,i) perylene	1.221	1.139		-6.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.567	0.509		-10.2	20.0
1-Methylnaphthalene	0.652	0.653		0.2	

All other compounds must meet a minimum RRF of 0.010.