

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: 08/07/2024 11:00

Lab File ID: BF138834.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	1.257		-8.5	
2-Fluorophenol	1.296	1.272		-1.9	
Benzaldehyde	1.043	0.918		-12.0	
Phenol-d6	1.740	1.684		-3.2	
2-Methylphenol	1.126	1.110		-1.4	
3+4-Methylphenols	1.444	1.468		1.7	
Nitrobenzene-d5	0.409	0.418		2.2	
Hexachloroethane	0.580	0.594		2.4	
Nitrobenzene	0.416	0.412		-1.0	
Naphthalene	1.053	1.058		0.5	
Hexachlorobutadiene	0.192	0.203		5.7	20.0
2-Methylnaphthalene	0.665	0.683		2.7	
2,4,6-Trichlorophenol	0.339	0.343		1.2	20.0
2-Fluorobiphenyl	1.331	1.404		5.5	
2,4,5-Trichlorophenol	0.370	0.377		1.9	
Acenaphthylene	1.652	1.655		0.2	
Acenaphthene	1.111	1.115		0.4	20.0
Dibenzofuran	1.568	1.609		2.6	
2,4-Dinitrotoluene	0.368	0.397		7.9	
Fluorene	1.249	1.312		5.0	
2,4,6-Tribromophenol	0.164	0.177		7.9	
Hexachlorobenzene	0.224	0.234		4.5	
Pentachlorophenol	0.101	0.127		25.7	20.0
Phenanthrene	1.030	1.044		1.4	
Anthracene	1.015	1.049		3.3	
Carbazole	0.875	0.887		1.4	
Di-n-butylphthalate	0.984	1.093		11.1	
Fluoranthene	0.961	0.977		1.7	20.0
Pyrene	1.883	2.155		14.4	
Terphenyl-d14	1.195	1.339		12.1	
Benzo (a) anthracene	1.377	1.344		-2.4	
Chrysene	1.243	1.252		0.7	
Bis (2-ethylhexyl) phthalate	0.883	0.798		-9.6	
Benzo (b) fluoranthene	1.240	1.150		-7.3	
Benzo (k) fluoranthene	1.073	1.165		8.6	
Benzo (a) pyrene	1.043	1.056		1.2	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.414		-1.3	
Dibenzo (a,h) anthracene	1.177	1.165		-1.0	
Benzo (g,h,i) perylene	1.221	1.171		-4.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.567	0.514		-9.3	20.0
1-Methylnaphthalene	0.652	0.670		2.8	

All other compounds must meet a minimum RRF of 0.010.