

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA_P Calibration Date/Time: 08/20/2024 16:40

Lab File ID: BP021575.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.783	1.623		-9.0	
2-Fluorophenol	1.347	1.372		1.9	
Benzaldehyde	1.258	1.392		10.7	
Phenol-d6	1.965	1.965		0.0	
2-Methylphenol	1.286	1.311		1.9	
3+4-Methylphenols	1.734	1.820		5.0	
Nitrobenzene-d5	0.387	0.421		8.8	
Hexachloroethane	0.599	0.610		1.8	
Nitrobenzene	0.421	0.430		2.1	
Naphthalene	1.045	1.030		-1.4	
Hexachlorobutadiene	0.215	0.206		-4.2	20.0
2-Methylnaphthalene	0.713	0.699		-2.0	
2,4,6-Trichlorophenol	0.326	0.377		15.6	20.0
2-Fluorobiphenyl	1.310	1.212		-7.5	
2,4,5-Trichlorophenol	0.362	0.422		16.6	
Acenaphthylene	1.619	1.596		-1.4	
Acenaphthene	1.063	1.097		3.2	20.0
Dibenzofuran	1.635	1.623		-0.7	
2,4-Dinitrotoluene	0.284	0.440		54.9	
Fluorene	1.343	1.311		-2.4	
2,4,6-Tribromophenol	0.223	0.265		18.8	
Hexachlorobenzene	0.250	0.240		-4.0	
Pentachlorophenol	0.137	0.168		22.6	20.0
Phenanthrene	0.962	0.949		-1.4	
Anthracene	0.943	0.925		-1.9	
Carbazole	0.909	0.943		3.7	
Di-n-butylphthalate	1.116	1.161		4.0	
Fluoranthene	1.180	1.230		4.2	20.0
Pyrene	1.307	1.267		-3.1	
Terphenyl-d14	1.029	0.958		-6.9	
Benzo (a) anthracene	1.256	1.254		-0.2	
Chrysene	1.185	1.172		-1.1	
Bis (2-ethylhexyl) phthalate	0.742	0.836		12.7	
Benzo (b) fluoranthene	1.149	1.131		-1.6	
Benzo (k) fluoranthene	1.121	1.065		-5.0	
Benzo (a) pyrene	0.997	0.991		-0.6	20.0
Indeno (1,2,3-cd) pyrene	1.296	1.308		0.9	
Dibenzo (a,h) anthracene	1.077	1.071		-0.6	
Benzo (g,h,i) perylene	1.080	1.083		0.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.570		-10.8	20.0
1-Methylnaphthalene	0.703	0.693		-1.4	

All other compounds must meet a minimum RRF of 0.010.