

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_P Calibration Date/Time: 08/21/2024 10:10

Lab File ID: BP021592.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	1.611		-9.6	
2-Fluorophenol	1.347	1.386		2.9	
Benzaldehyde	1.258	1.091		-13.3	
Phenol-d6	1.965	1.977		0.6	
2-Methylphenol	1.286	1.305		1.5	
3+4-Methylphenols	1.734	1.825		5.2	
Nitrobenzene-d5	0.387	0.422		9.0	
Hexachloroethane	0.599	0.595		-0.7	
Nitrobenzene	0.421	0.431		2.4	
Naphthalene	1.045	1.044		-0.1	
Hexachlorobutadiene	0.215	0.205		-4.7	20.0
2-Methylnaphthalene	0.713	0.713		0.0	
2,4,6-Trichlorophenol	0.326	0.377		15.6	20.0
2-Fluorobiphenyl	1.310	1.238		-5.5	
2,4,5-Trichlorophenol	0.362	0.428		18.2	
Acenaphthylene	1.619	1.609		-0.6	
Acenaphthene	1.063	1.108		4.2	20.0
Dibenzofuran	1.635	1.652		1.0	
2,4-Dinitrotoluene	0.284	0.455		60.2	
Fluorene	1.343	1.339		-0.3	
2,4,6-Tribromophenol	0.223	0.273		22.4	
Hexachlorobenzene	0.250	0.235		-6.0	
Pentachlorophenol	0.137	0.170		24.1	20.0
Phenanthrene	0.962	0.954		-0.8	
Anthracene	0.943	0.939		-0.4	
Carbazole	0.909	0.951		4.6	
Di-n-butylphthalate	1.116	1.157		3.7	
Fluoranthene	1.180	1.267		7.4	20.0
Pyrene	1.307	1.288		-1.5	
Terphenyl-d14	1.029	0.947		-8.0	
Benzo (a) anthracene	1.256	1.256		0.0	
Chrysene	1.185	1.189		0.3	
Bis (2-ethylhexyl) phthalate	0.742	0.828		11.6	
Benzo (b) fluoranthene	1.149	1.155		0.5	
Benzo (k) fluoranthene	1.121	1.078		-3.8	
Benzo (a) pyrene	0.997	0.999		0.2	20.0
Indeno (1,2,3-cd) pyrene	1.296	1.288		-0.6	
Dibenzo (a,h) anthracene	1.077	1.069		-0.7	
Benzo (g,h,i) perylene	1.080	1.079		-0.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.574		-10.2	20.0
1-Methylnaphthalene	0.703	0.703		0.0	

All other compounds must meet a minimum RRF of 0.010.