

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 10:07

Lab File ID: BP021566.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	1.602		-10.2	
2-Fluorophenol	1.347	1.353		0.4	
Benzaldehyde	1.258	1.358		7.9	
Phenol-d6	1.965	1.932		-1.7	
2-Methylphenol	1.286	1.272		-1.1	
3+4-Methylphenols	1.734	1.797		3.6	
Nitrobenzene-d5	0.387	0.426		10.1	
Hexachloroethane	0.599	0.597		-0.3	
Nitrobenzene	0.421	0.432		2.6	
Naphthalene	1.045	1.030		-1.4	
Hexachlorobutadiene	0.215	0.208		-3.3	20.0
2-Methylnaphthalene	0.713	0.693		-2.8	
2,4,6-Trichlorophenol	0.326	0.378		16.0	20.0
2-Fluorobiphenyl	1.310	1.241		-5.3	
2,4,5-Trichlorophenol	0.362	0.427		18.0	
Acenaphthylene	1.619	1.589		-1.9	
Acenaphthene	1.063	1.082		1.8	20.0
Dibenzofuran	1.635	1.602		-2.0	
2,4-Dinitrotoluene	0.284	0.425		49.6	
Fluorene	1.343	1.294		-3.6	
2,4,6-Tribromophenol	0.223	0.267		19.7	
Hexachlorobenzene	0.250	0.242		-3.2	
Pentachlorophenol	0.137	0.170		24.1	20.0
Phenanthrene	0.962	0.951		-1.1	
Anthracene	0.943	0.947		0.4	
Carbazole	0.909	0.938		3.2	
Di-n-butylphthalate	1.116	1.121		0.4	
Fluoranthene	1.180	1.227		4.0	20.0
Pyrene	1.307	1.288		-1.5	
Terphenyl-d14	1.029	0.954		-7.3	
Benzo (a) anthracene	1.256	1.256		0.0	
Chrysene	1.185	1.188		0.3	
Bis (2-ethylhexyl) phthalate	0.742	0.771		3.9	
Benzo (b) fluoranthene	1.149	1.120		-2.5	
Benzo (k) fluoranthene	1.121	1.084		-3.3	
Benzo (a) pyrene	0.997	1.000		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.296	1.324		2.2	
Dibenzo (a,h) anthracene	1.077	1.092		1.4	
Benzo (g,h,i) perylene	1.080	1.120		3.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.561		-12.2	20.0
1-Methylnaphthalene	0.703	0.682		-3.0	

All other compounds must meet a minimum RRF of 0.010.