

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3609 SAS No.: P3609 SDG No.: P3609

Instrument ID: BNA_M Calibration Date/Time: 08/22/2024 09:14

Lab File ID: BM047308.D Init. Calib. Date(s): 08/10/2024 08/10/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:12 17:51

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.360	1.164		-14.4	
2-Fluorophenol	1.119	1.034		-7.6	
Benzaldehyde	0.904	0.830		-8.2	
Phenol-d6	1.542	1.396		-9.5	
2-Methylphenol	1.027	0.949		-7.6	
3+4-Methylphenols	1.435	1.298		-9.5	
Nitrobenzene-d5	0.397	0.355		-10.6	
Hexachloroethane	0.569	0.525		-7.7	
Nitrobenzene	0.400	0.365		-8.8	
Naphthalene	0.996	0.950		-4.6	
Hexachlorobutadiene	0.204	0.229		12.3	20.0
2-Methylnaphthalene	0.709	0.696		-1.8	
2,4,6-Trichlorophenol	0.388	0.405		4.4	20.0
2-Fluorobiphenyl	1.297	1.252		-3.5	
2,4,5-Trichlorophenol	0.430	0.449		4.4	
Acenaphthylene	1.640	1.557		-5.1	
Acenaphthene	1.041	0.985		-5.4	20.0
Dibenzofuran	1.644	1.575		-4.2	
2,4-Dinitrotoluene	0.436	0.431		-1.1	
Fluorene	1.356	1.297		-4.4	
2,4,6-Tribromophenol	0.232	0.243		4.7	
Hexachlorobenzene	0.231	0.232		0.4	
Pentachlorophenol	0.162	0.164		1.2	20.0
Phenanthrene	1.004	0.946		-5.8	
Anthracene	0.977	0.929		-4.9	
Carbazole	0.997	0.928		-6.9	
Di-n-butylphthalate	1.160	1.134		-2.2	
Fluoranthene	1.221	1.198		-1.9	20.0
Pyrene	1.428	1.416		-0.8	
Terphenyl-d14	0.933	1.039		11.4	
Benzo (a) anthracene	1.328	1.267		-4.6	
Chrysene	1.260	1.185		-6.0	
Bis (2-ethylhexyl) phthalate	0.826	0.838		1.5	
Benzo (b) fluoranthene	1.188	1.174		-1.2	
Benzo (k) fluoranthene	1.122	1.122		0.0	
Benzo (a) pyrene	1.029	0.998		-3.0	20.0
Indeno (1,2,3-cd) pyrene	1.293	1.113		-13.9	
Dibenzo (a,h) anthracene	1.046	0.901		-13.9	
Benzo (g,h,i) perylene	1.086	0.915		-15.7	

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COMPOUND	<u>RRF</u>	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.464	0.417		-10.1	20.0
1-Methylnaphthalene	0.701	0.678		-3.3	

All other compounds must meet a minimum RRF of 0.010.