

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_M Calibration Date/Time: 08/20/2024 16:55

Lab File ID: BM047273.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	1.085		-20.2	
2-Fluorophenol	1.119	0.994		-11.2	
Benzaldehyde	0.904	0.745		-17.6	
Phenol-d6	1.542	1.269		-17.7	
2-Methylphenol	1.027	0.857		-16.6	
3+4-Methylphenols	1.435	1.166		-18.7	
Nitrobenzene-d5	0.397	0.350		-11.8	
Hexachloroethane	0.569	0.522		-8.3	
Nitrobenzene	0.400	0.355		-11.3	
Naphthalene	0.996	0.903		-9.3	
Hexachlorobutadiene	0.204	0.220		7.8	20.0
2-Methylnaphthalene	0.709	0.628		-11.4	
2,4,6-Trichlorophenol	0.388	0.386		-0.5	20.0
2-Fluorobiphenyl	1.297	1.251		-3.5	
2,4,5-Trichlorophenol	0.430	0.425		-1.2	
Acenaphthylene	1.640	1.497		-8.7	
Acenaphthene	1.041	0.935		-10.2	20.0
Dibenzofuran	1.644	1.484		-9.7	
2,4-Dinitrotoluene	0.436	0.377		-13.5	
Fluorene	1.356	1.194		-11.9	
2,4,6-Tribromophenol	0.232	0.214		-7.8	
Hexachlorobenzene	0.231	0.228		-1.3	
Pentachlorophenol	0.162	0.152		-6.2	20.0
Phenanthrene	1.004	0.897		-10.7	
Anthracene	0.977	0.887		-9.2	
Carbazole	0.997	0.851		-14.6	
Di-n-butylphthalate	1.160	1.035		-10.8	
Fluoranthene	1.221	1.031		-15.6	20.0
Pyrene	1.428	1.417		-0.8	
Terphenyl-d14	0.933	0.957		2.6	
Benzo (a) anthracene	1.328	1.232		-7.2	
Chrysene	1.260	1.143		-9.3	
Bis (2-ethylhexyl) phthalate	0.826	0.826		0.0	
Benzo (b) fluoranthene	1.188	1.051		-11.5	
Benzo (k) fluoranthene	1.122	0.960		-14.4	
Benzo (a) pyrene	1.029	0.911		-11.5	20.0
Indeno (1,2,3-cd) pyrene	1.293	1.186		-8.3	
Dibenzo (a,h) anthracene	1.046	0.962		-8.0	
Benzo (g,h,i) perylene	1.086	1.017		-6.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.464	0.414		-10.8	20.0
1-Methylnaphthalene	0.701	0.614		-12.4	

All other compounds must meet a minimum RRF of 0.010.