

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3467 SAS No.: P3467 SDG No.: P3467

Instrument ID: BNA_F Calibration Date/Time: 08/14/2024 12:03

Lab File ID: BF138988.D Init. Calib. Date(s): 07/30/2024 07/30/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:54 16:29

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.374	1.276		-7.1	
2-Fluorophenol	1.296	1.279		-1.3	
Benzaldehyde	1.043	0.855		-18.0	
Phenol-d6	1.740	1.703		-2.1	
2-Methylphenol	1.126	1.081		-4.0	
3+4-Methylphenols	1.444	1.458		1.0	
Nitrobenzene-d5	0.409	0.430		5.1	
Hexachloroethane	0.580	0.576		-0.7	
Nitrobenzene	0.416	0.434		4.3	
Naphthalene	1.053	1.057		0.4	
Hexachlorobutadiene	0.192	0.205		6.8	20.0
2-Methylnaphthalene	0.665	0.681		2.4	
2,4,6-Trichlorophenol	0.339	0.331		-2.4	20.0
2-Fluorobiphenyl	1.331	1.376		3.4	
2,4,5-Trichlorophenol	0.370	0.361		-2.4	
Acenaphthylene	1.652	1.626		-1.6	
Acenaphthene	1.111	1.101		-0.9	20.0
Dibenzofuran	1.568	1.584		1.0	
2,4-Dinitrotoluene	0.368	0.393		6.8	
Fluorene	1.249	1.314		5.2	
2,4,6-Tribromophenol	0.164	0.163		-0.6	
Hexachlorobenzene	0.224	0.221		-1.3	
Pentachlorophenol	0.101	0.094		-6.9	20.0
Phenanthrene	1.030	1.031		0.1	
Anthracene	1.015	1.008		-0.7	
Carbazole	0.875	0.850		-2.9	
Di-n-butylphthalate	0.984	1.072		8.9	
Fluoranthene	0.961	0.935		-2.7	20.0
Pyrene	1.883	1.903		1.1	
Terphenyl-d14	1.195	1.229		2.8	
Benzo (a) anthracene	1.377	1.316		-4.4	
Chrysene	1.243	1.276		2.7	
Bis (2-ethylhexyl) phthalate	0.883	0.812		-8.0	
Benzo (b) fluoranthene	1.240	1.293		4.3	
Benzo (k) fluoranthene	1.073	1.068		-0.5	
Benzo (a) pyrene	1.043	1.067		2.3	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.318		-8.0	
Dibenzo (a,h) anthracene	1.177	1.083		-8.0	
Benzo (g,h,i) perylene	1.221	1.091		-10.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.567	0.506		-10.8	20.0
1-Methylnaphthalene	0.652	0.671		2.9	

All other compounds must meet a minimum RRF of 0.010.