

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_F Calibration Date/Time: 08/22/2024 10:25

Lab File ID: BF139113.D Init. Calib. Date(s): 08/20/2024 08/20/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 17:10 20:41

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.417	1.467		3.5	
2-Fluorophenol	1.300	1.302		0.2	
Benzaldehyde	0.985	1.023		3.9	
Phenol-d6	1.680	1.722		2.5	
2-Methylphenol	1.070	1.104		3.2	
3+4-Methylphenols	1.386	1.446		4.3	
Nitrobenzene-d5	0.343	0.430		25.4	
Hexachloroethane	0.527	0.545		3.4	
Nitrobenzene	0.382	0.456		19.4	
Naphthalene	1.014	1.047		3.3	
Hexachlorobutadiene	0.220	0.225		2.3	20.0
2-Methylnaphthalene	0.650	0.690		6.2	
2,4,6-Trichlorophenol	0.370	0.398		7.6	20.0
2-Fluorobiphenyl	1.261	1.281		1.6	
2,4,5-Trichlorophenol	0.379	0.405		6.9	
Acenaphthylene	1.595	1.661		4.1	
Acenaphthene	1.053	1.120		6.4	20.0
Dibenzofuran	1.530	1.624		6.1	
2,4-Dinitrotoluene	0.250	0.401		60.4	
Fluorene	1.223	1.284		5.0	
2,4,6-Tribromophenol	0.181	0.215		18.8	
Hexachlorobenzene	0.227	0.240		5.7	
Pentachlorophenol	0.145	0.172		18.6	20.0
Phenanthrene	1.017	1.033		1.6	
Anthracene	0.994	1.020		2.6	
Carbazole	0.928	0.936		0.9	
Di-n-butylphthalate	1.076	1.151		7.0	
Fluoranthene	1.085	1.085		0.0	20.0
Pyrene	1.669	1.842		10.4	
Terphenyl-d14	1.205	1.390		15.4	
Benzo (a) anthracene	1.315	1.390		5.7	
Chrysene	1.192	1.225		2.8	
Bis (2-ethylhexyl) phthalate	0.765	0.901		17.8	
Benzo (b) fluoranthene	1.304	1.315		0.8	
Benzo (k) fluoranthene	1.086	1.167		7.5	
Benzo (a) pyrene	1.030	1.086		5.4	20.0
Indeno (1,2,3-cd) pyrene	1.171	1.319		12.6	
Dibenzo (a,h) anthracene	0.961	1.099		14.4	
Benzo (g,h,i) perylene	0.969	1.083		11.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.558	0.567		1.6	20.0
1-Methylnaphthalene	0.627	0.657		4.8	

All other compounds must meet a minimum RRF of 0.010.