

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1456 SAS No.: Q1456 SDG No.: Q1456

Instrument ID: BNA_M Calibration Date/Time: 02/28/2025 10:38

Lab File ID: BM049675.D Init. Calib. Date(s): 02/05/2025 02/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:05 15:38

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.680	0.622		-8.5	
2-Fluorophenol	1.244	1.231		-1.0	
Phenol-d6	1.629	1.599		-1.8	
Phenol	1.605	1.549		-3.5	20.0
bis(2-Chloroethyl)ether	1.298	1.240		-4.5	
2-Chlorophenol	1.242	1.230		-1.0	
2,2-oxybis(1-Chloropropane)	1.748	1.483		-15.2	
n-Nitroso-di-n-propylamine	1.067	0.988	0.050	-7.4	
Nitrobenzene-d5	0.389	0.406		4.4	
Hexachloroethane	0.533	0.516		-3.2	
Nitrobenzene	0.378	0.383		1.3	
Isophorone	0.701	0.650		-7.3	
2-Nitrophenol	0.116	0.157		35.3	20.0
2,4-Dimethylphenol	0.222	0.209		-5.9	
bis(2-Chloroethoxy)methane	0.452	0.446		-1.3	
2,4-Dichlorophenol	0.305	0.342		12.1	20.0
1,2,4-Trichlorobenzene	0.374	0.405		8.3	
Naphthalene	1.055	1.062		0.7	
Hexachlorobutadiene	0.224	0.246		9.8	20.0
4-Chloro-3-methylphenol	0.305	0.311		2.0	20.0
Hexachlorocyclopentadiene	0.168	0.267	0.050	58.9	
2,4,6-Trichlorophenol	0.359	0.433		20.6	20.0
2-Fluorobiphenyl	1.544	1.643		6.4	
2-Chloronaphthalene	1.180	1.224		3.7	
Dimethylphthalate	1.436	1.480		3.1	
Acenaphthylene	1.741	1.774		1.9	
2,6-Dinitrotoluene	0.249	0.299		20.1	
Acenaphthene	1.155	1.222		5.8	20.0
2,4-Dinitrophenol	0.060	0.125	0.050	108.3	
4-Nitrophenol	0.213	0.248	0.050	16.4	
2,4-Dinitrotoluene	0.304	0.402		32.2	
Diethylphthalate	1.443	1.455		0.8	
4-Chlorophenyl-phenylether	0.838	0.881		5.1	
Fluorene	1.574	1.634		3.8	
4,6-Dinitro-2-methylphenol	0.053	0.095		79.2	
n-Nitrosodiphenylamine	0.631	0.633		0.3	20.0
Azobenzene	1.507	1.401		-7.0	
2,4,6-Tribromophenol	0.237	0.270		13.9	
4-Bromophenyl-phenylether	0.232	0.236		1.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.267	0.264		-1.1	
Pentachlorophenol	0.147	0.164		11.6	20.0
Phenanthrene	1.139	1.165		2.3	
Anthracene	1.128	1.142		1.2	
Di-n-butylphthalate	1.256	1.243		-1.0	
Fluoranthene	1.334	1.435		7.6	20.0
Benzidine	0.177	0.331		87.0	
Pyrene	1.498	1.404		-6.3	
Terphenyl-d14	1.310	1.338		2.1	
Butylbenzylphthalate	0.466	0.481		3.2	
3,3-Dichlorobenzidine	0.365	0.460		26.0	
Benzo(a)anthracene	1.355	1.414		4.4	
Chrysene	1.270	1.319		3.9	
Bis(2-ethylhexyl)phthalate	0.799	0.812		1.6	
Di-n-octyl phthalate	1.260	1.175		-6.7	20.0
Benzo(b)fluoranthene	1.376	1.439		4.6	
Benzo(k)fluoranthene	1.336	1.391		4.1	
Benzo(a)pyrene	1.090	1.194		9.5	20.0
Indeno(1,2,3-cd)pyrene	1.092	1.470		34.6	
Dibenzo(a,h)anthracene	0.863	1.224		41.8	
Benzo(g,h,i)perylene	0.964	1.205		25.0	

All other compounds must meet a minimum RRF of 0.010.