

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172 SDG No.: Q1172

Instrument ID: MSVOA_U Calibration Date/Time: 02/11/2025 10:01

Lab File ID: VU063228.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:59 15:33

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.325	0.286		-12	30
Chloromethane	0.374	0.311		-16.84	30
Vinyl Chloride	0.370	0.325		-12.16	30
Bromomethane	0.171	0.183		7.02	30
Chloroethane	0.233	0.202		-13.31	30
Tetrahydrofuran	0.047	0.042		-10.64	30
Trichlorofluoromethane	0.439	0.394		-10.25	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.249	0.228		-8.43	30
tert-Butyl Alcohol	0.026	0.017		-34.62	30
Diethyl Ether	0.218	0.182		-16.51	30
1,1-Dichloroethene	0.254	0.226		-11.02	30
Acrylonitrile	0.059	0.054		-8.48	30
Acetone	0.045	0.037		-17.78	30
Carbon Disulfide	0.887	0.776		-12.51	30
Methyl tert-Butyl Ether	0.634	0.586		-7.57	30
Methyl acrylate	0.148	0.125		-15.54	30
Methylene Chloride	0.313	0.271		-13.42	30
trans-1,2-Dichloroethene	0.290	0.261		-10	30
1,1-Dichloroethane	0.546	0.485		-11.17	30
Cyclohexane	0.439	0.427		-2.73	30
2-Butanone	0.072	0.064		-11.11	30
Carbon Tetrachloride	0.383	0.349		-8.88	30
2,2-Dichloropropane	0.426	0.394		-7.51	30
cis-1,2-Dichloroethene	0.313	0.284		-9.27	30
Bromochloromethane	0.137	0.122		-10.95	30
Chloroform	0.551	0.488		-11.43	30
1,1,1-Trichloroethane	0.446	0.407		-8.74	30
Methylcyclohexane	0.435	0.448		2.99	30
1,1-Dichloropropene	0.400	0.376		-6	30
Propionitrile	0.022	0.021		-4.55	30
Benzene	1.229	1.118		-9.03	30
1,2-Dichloroethane	0.355	0.307		-13.52	30
Trichloroethene	0.292	0.266		-8.9	30
1,2-Dichloropropane	0.322	0.292		-9.32	30
1-Chlorobutane	0.547	0.524		-4.2	30
Dibromomethane	0.163	0.144		-11.66	30
Bromodichloromethane	0.379	0.346		-8.71	30
4-Methyl-2-Pentanone	0.171	0.162		-5.26	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Toluene	0.707	0.684		-3.25	30
t-1,3-Dichloropropene	0.347	0.340		-2.02	30
cis-1,3-Dichloropropene	0.429	0.400		-6.76	30
1,1,2-Trichloroethane	0.220	0.201		-8.64	30
1,3-Dichloropropane	0.390	0.355		-8.97	30
2-Hexanone	0.117	0.111		-5.13	30
Dibromochloromethane	0.253	0.232		-8.3	30
1,2-Dibromoethane	0.206	0.190		-7.77	30
Tetrachloroethene	0.241	0.225		-6.64	30
Chlorobenzene	0.746	0.709		-4.96	30
1,1,1,2-Tetrachloroethane	0.268	0.247		-7.84	30
Hexachloroethane	0.212	0.198		-6.6	30
Ethyl Benzene	1.286	1.288		0.16	30
m/p-Xylenes	0.480	0.492		2.5	30
o-Xylene	0.470	0.471		0.21	30
Styrene	0.748	0.766		2.41	30
Bromoform	0.143	0.130		-9.09	30
Isopropylbenzene	1.106	1.125		1.72	30
1,1,2,2-Tetrachloroethane	0.296	0.261		-11.82	30
1,2,3-Trichloropropane	0.222	0.211		-4.95	30
Bromobenzene	0.298	0.282		-5.37	30
n-propylbenzene	0.317	0.329		3.79	30
2-Chlorotoluene	0.292	0.289		-1.03	30
1,3,5-Trimethylbenzene	1.024	1.050		2.54	30
4-Chlorotoluene	0.299	0.300		0.33	30
tert-Butylbenzene	1.036	1.025		-1.06	30
1,2,4-Trimethylbenzene	1.016	1.058		4.13	30
sec-Butylbenzene	1.319	1.355		2.73	30
p-Isopropyltoluene	1.041	1.100		5.67	30
1,3-Dichlorobenzene	0.578	0.544		-5.88	30
1,4-Dichlorobenzene	0.565	0.544		-3.72	30
n-Butylbenzene	0.933	1.032		10.61	30
1,2-Dichlorobenzene	0.555	0.517		-6.85	30
1,2-Dibromo-3-Chloropropane	0.042	0.039		-7.14	30
1,2,4-Trichlorobenzene	0.271	0.297		9.59	30
Hexachlorobutadiene	0.194	0.187		-3.61	30
Naphthalene	0.436	0.499		14.45	30
1,2,3-Trichlorobenzene	0.265	0.280		5.66	30

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COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Nitrobenzene	0.007	0.007		0	30
1,2-Dichlorobenzene-d4	0.343	0.340		-0.88	30
4-Bromofluorobenzene	0.330	0.353		6.97	30
Iodomethane	0.399	0.374		-6.27	30
Allyl Chloride	0.364	0.334		-8.24	30
t-1,4-Dichloro-2-butene	0.080	0.088		10	30
Methacrylonitrile	0.080	0.079		-1.25	30
Ethyl methacrylate	0.258	0.266		3.1	30
Isopropyl Ether	0.779	0.743		-4.62	30
Methyl methacrylate	0.137	0.135		-1.46	30

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