

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GFEL01

Lab Code: CHEM Case No.: Q1691 SAS No.: Q1691 SDG No.: Q1691

Instrument ID: MSVOA_L Calibration Date/Time: 04/04/2025 08:58

Lab File ID: VL042215.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.476	1.405		-4.81	30
Chloromethane	0.603	0.556		-7.79	30
Vinyl Chloride	0.639	0.525		-17.84	30
Bromomethane	0.273	0.237		-13.19	30
Chloroethane	0.242	0.212		-12.4	30
Tetrahydrofuran	0.418	0.366		-12.44	30
Trichlorofluoromethane	1.437	1.368		-4.8	30
1,1,2-Trichlorotrifluoroethane	1.181	1.042		-11.77	30
Dichlorotetrafluoroethane	1.257	1.215		-3.34	30
tert-Butyl alcohol	1.742	1.412		-18.94	30
Heptane	1.839	1.552		-15.61	30
1,1-Dichloroethene	0.552	0.469		-15.04	30
Acetone	1.399	1.172		-16.23	30
Carbon Disulfide	1.503	1.304		-13.24	30
Methyl tert-Butyl Ether	0.873	0.700		-19.82	30
Methylene Chloride	0.521	0.407		-21.88	30
trans-1,2-Dichloroethene	0.638	0.522		-18.18	30
1,1-Dichloroethane	1.183	1.062		-10.23	30
Cyclohexane	1.217	1.048		-13.89	30
2-Butanone	0.725	0.669		-7.72	30
Carbon Tetrachloride	0.781	0.794		1.66	30
cis-1,2-Dichloroethene	1.423	1.299		-8.71	30
Chloroform	2.052	2.021		-1.51	30
1,1,1-Trichloroethane	2.349	2.143		-8.77	30
2,2,4-Trimethylpentane	1.675	1.519		-9.31	30
Benzene	0.991	0.900		-9.18	30
1,2-Dichloroethane	0.568	0.591		4.05	30
Trichloroethene	0.414	0.384		-7.25	30
1,2-Dichloropropane	0.361	0.328		-9.14	30
Bromodichloromethane	0.782	0.802		2.56	30
4-Methyl-2-Pentanone	1.149	0.935		-18.63	30
Toluene	1.175	1.056		-10.13	30
t-1,3-Dichloropropene	0.450	0.379		-15.78	30
cis-1,3-Dichloropropene	0.552	0.479		-13.23	30
1,1,2-Trichloroethane	0.382	0.364		-4.71	30
Dibromochloromethane	0.647	0.652		0.77	30
1,2-Dibromoethane	0.532	0.505		-5.07	30
Tetrachloroethene	0.393	0.328		-16.54	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
Chlorobenzene	0.949	0.937		-1.26	30
Ethyl Benzene	1.776	1.694		-4.62	30
m/p-Xylene	1.418	1.420		0.14	30
o-Xylene	1.422	1.395		-1.9	30
Styrene	0.703	0.661		-5.97	30
Bromoform	0.581	0.562		-3.27	30
1,1,2,2-Tetrachloroethane	0.864	0.871		0.81	30
2-Chlorotoluene	1.650	1.655		0.3	30
1,3,5-Trimethylbenzene	1.546	1.558		0.78	30
1,2,4-Trimethylbenzene	1.781	1.730		-2.86	30
1,3-Dichlorobenzene	0.977	1.009		3.28	30
1,4-Dichlorobenzene	0.972	1.006		3.5	30
1,2-Dichlorobenzene	0.951	0.990		4.1	30
1,2,4-Trichlorobenzene	0.899	0.896		-0.33	30
Hexachloro-1,3-Butadiene	0.968	0.830		-14.26	30
1,3-Butadiene	0.683	0.570		-16.55	30
Naphthalene	1.948	2.004		2.88	30
4-Ethyltoluene	1.770	1.797		1.52	30
1-Bromo-4-Fluorobenzene	0.821	0.826		0.61	30
Hexane	1.402	1.237		-11.77	30
Allyl Chloride	0.986	0.844		-14.4	30
1,4-Dioxane	191.626	156.368		-18.4	30
Methyl Methacrylate	0.420	0.356		-15.24	30

All other compounds must meet a minimum RRF of 0.010.
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