

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1469 SAS No.: Q1469 SDG No.: Q1469

Instrument ID: MSVOA_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.632		0.48	20
Chloromethane	0.770	0.741	0.1	-3.77	20
Vinyl Chloride	0.764	0.729		-4.58	20
Ethyl Acetate	0.591	0.563		-4.74	20
Bromomethane	0.300	0.282		-6	20
Chloroethane	0.352	0.283		-19.6	20
Trichlorofluoromethane	1.012	0.999		-1.28	20
1,1,2-Trichlorotrifluoroethane	0.581	0.595		2.41	20
Tert butyl alcohol	0.151	0.127		-15.89	20
1,1-Dichloroethene	0.614	0.584		-4.89	20
Acrolein	0.174	0.181		4.02	20
Acrylonitrile	0.404	0.363		-10.15	20
Acetone	0.369	0.312		-15.45	20
Carbon Disulfide	1.636	1.571		-3.97	20
Methyl tert-butyl Ether	2.061	1.935		-6.11	20
Methyl Acetate	0.888	0.794		-10.59	20
Methylene Chloride	0.731	0.667		-8.76	20
trans-1,2-Dichloroethene	0.607	0.586		-3.46	20
Vinyl Acetate	1.856	1.865		0.49	20
1,1-Dichloroethane	1.247	1.167	0.1	-6.41	20
Cyclohexane	1.082	1.078		-0.37	20
2-Butanone	0.555	0.512		-7.75	20
Carbon Tetrachloride	0.465	0.459		-1.29	20
2,2-Dichloropropane	0.585	0.849		45.13	20
cis-1,2-Dichloroethene	0.749	0.712		-4.94	20
Bromochloromethane	0.594	0.552		-7.07	20
Chloroform	1.239	1.140		-7.99	20
1,1,1-Trichloroethane	1.000	0.948		-5.2	20
Methylcyclohexane	0.549	0.617		12.39	20
1,1-Dichloropropene	0.459	0.452		-1.52	20
Benzene	1.448	1.433		-1.04	20
1,2-Dichloroethane	0.521	0.494		-5.18	20
Trichloroethene	0.340	0.328		-3.53	20
1,2-Dichloropropane	0.372	0.358		-3.76	20
Dibromomethane	0.263	0.259		-1.52	20
Bromodichloromethane	0.516	0.508		-1.55	20
4-Methyl-2-Pentanone	0.587	0.565		-3.75	20
Toluene	0.849	0.870		2.47	20

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	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.431	0.483		12.06	20
cis-1,3-Dichloropropene	0.503	0.551		9.54	20
1,1,2-Trichloroethane	0.350	0.330		-5.71	20
1,3-Dichloropropane	0.605	0.588		-2.81	20
2-Chloroethyl Vinyl ether	0.259	0.279		7.72	20
2-Hexanone	0.425	0.411		-3.29	20
Dibromochloromethane	0.366	0.367		0.27	20
1,2-Dibromoethane	0.349	0.342		-2.01	20
Tetrachloroethene	0.320	0.319		-0.31	20
Chlorobenzene	1.058	1.039	0.3	-1.8	20
1,1,1,2-Tetrachloroethane	0.352	0.344		-2.27	20
Hexachloroethane	0.568	0.585		2.99	20
Ethyl Benzene	1.843	1.879		1.95	20
m/p-Xylenes	0.675	0.694		2.82	20
o-Xylene	0.681	0.685		0.59	20
Styrene	1.101	1.143		3.82	20
Bromoform	0.266	0.268	0.1	0.75	20
Isopropylbenzene	3.903	3.973		1.79	20
1,1,2,2-Tetrachloroethane	1.432	1.334	0.3	-6.84	20
1,2,3-Trichloropropane	1.164	1.092		-6.19	20
Bromobenzene	0.921	0.915		-0.65	20
n-propylbenzene	4.409	4.642		5.28	20
2-Chlorotoluene	2.808	2.748		-2.14	20
1,3,5-Trimethylbenzene	3.156	3.243		2.76	20
4-Chlorotoluene	3.060	3.080		0.65	20
tert-Butylbenzene	3.242	3.269		0.83	20
1,2,4-Trimethylbenzene	3.175	3.264		2.8	20
sec-Butylbenzene	3.884	4.127		6.26	20
p-Isopropyltoluene	3.139	3.363		7.14	20
1,3-Dichlorobenzene	1.643	1.660		1.03	20
1,4-Dichlorobenzene	1.662	1.653		-0.54	20
n-Butylbenzene	2.703	3.078		13.87	20
1,2-Dichlorobenzene	1.648	1.652		0.24	20
1,2-Dibromo-3-Chloropropane	0.279	0.269		-3.58	20
1,2,4-Trichlorobenzene	0.938	1.031		9.91	20
Hexachlorobutadiene	0.385	0.403		4.68	20
Naphthalene	3.605	3.776		4.74	20
1,2,3-Trichlorobenzene	0.990	1.045		5.56	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.795	0.733		-7.8	20
Dibromofluoromethane	0.334	0.331		-0.9	20
Toluene-d8	1.212	1.209		-0.25	20
4-Bromofluorobenzene	0.402	0.404		0.5	20

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