

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/29/2025 09:28

Lab File ID: VY022046.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.371		-12.91	20
Chloromethane	0.607	0.532	0.1	-12.36	20
Vinyl Chloride	0.745	0.666		-10.6	20
Ethyl Acetate	0.159	0.152		-4.4	20
Isopropyl Acetate	0.306	0.284		-7.19	20
Bromomethane	0.642	0.514		-19.94	20
Chloroethane	0.508	0.429		-15.55	20
Tetrahydrofuran	0.068	0.063		-7.35	20
Trichlorofluoromethane	0.983	0.856		-12.92	20
1,1,2-Trichlorotrifluoroethane	0.533	0.466		-12.57	20
Tert butyl alcohol	0.025	0.023		-8	20
Diethyl Ether	0.256	0.216		-15.63	20
1,1-Dichloroethene	0.497	0.442		-11.07	20
Acrolein	0.046	0.043		-6.52	20
Acrylonitrile	0.094	0.084		-10.64	20
Acetone	0.070	0.065		-7.14	20
Carbon Disulfide	1.585	1.366		-13.82	20
Methyl tert-butyl Ether	1.113	1.008		-9.43	20
Methyl Acetate	0.216	0.209		-3.24	20
Methylene Chloride	0.584	0.468		-19.86	20
trans-1,2-Dichloroethene	0.557	0.489		-12.21	20
Vinyl Acetate	0.694	0.630		-9.22	20
1,1-Dichloroethane	0.893	0.776	0.1	-13.1	20
Cyclohexane	0.763	0.661		-13.37	20
2-Butanone	0.105	0.098		-6.67	20
Carbon Tetrachloride	0.530	0.509		-3.96	20
2,2-Dichloropropane	0.782	0.709		-9.34	20
cis-1,2-Dichloroethene	0.622	0.558		-10.29	20
Bromochloromethane	0.347	0.322		-7.2	20
Chloroform	0.990	0.877		-11.41	20
1,1,1-Trichloroethane	0.896	0.789		-11.94	20
Methylcyclohexane	0.558	0.529		-5.2	20
1,1-Dichloropropene	0.444	0.412		-7.21	20
Benzene	1.387	1.301		-6.2	20
1,2-Dichloroethane	0.343	0.319		-7	20
Trichloroethene	0.384	0.360		-6.25	20
1,2-Dichloropropane	0.307	0.287		-6.51	20
Dibromomethane	0.192	0.181		-5.73	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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Bromodichloromethane	0.480	0.457		-4.79	20
4-Methyl-2-Pentanone	0.160	0.161		0.63	20
Methyl methacrylate	0.141	0.139		-1.42	20
Toluene	0.898	0.870		-3.12	20
t-1,3-Dichloropropene	0.411	0.393		-4.38	20
cis-1,3-Dichloropropene	0.489	0.462		-5.52	20
1,1,2-Trichloroethane	0.256	0.247		-3.52	20
1,3-Dichloropropane	0.411	0.395		-3.89	20
2-Chloroethyl Vinyl ether	0.143	0.152		6.29	20
2-Hexanone	0.106	0.109		2.83	20
Dibromochloromethane	0.355	0.349		-1.69	20
1,2-Dibromoethane	0.242	0.236		-2.48	20
Tetrachloroethene	0.472	0.449		-4.87	20
Chlorobenzene	1.118	1.034	0.3	-7.51	20
1,1,1,2-Tetrachloroethane	0.394	0.367		-6.85	20
Hexachloroethane	0.674	0.613		-9.05	20
Ethyl Benzene	1.829	1.744		-4.65	20
m/p-Xylenes	0.728	0.712		-2.2	20
o-Xylene	0.671	0.649		-3.28	20
Styrene	1.126	1.110		-1.42	20
Bromoform	0.229	0.224	0.1	-2.18	20
Isopropylbenzene	3.341	3.152		-5.66	20
1,1,2,2-Tetrachloroethane	0.563	0.517	0.3	-8.17	20
1,2,3-Trichloropropane	0.428	0.403		-5.84	20
Bromobenzene	0.844	0.794		-5.92	20
n-propylbenzene	3.978	3.763		-5.41	20
2-Chlorotoluene	2.314	2.139		-7.56	20
1,3,5-Trimethylbenzene	2.752	2.633		-4.32	20
4-Chlorotoluene	2.405	2.260		-6.03	20
tert-Butylbenzene	2.469	2.334		-5.47	20
1,2,4-Trimethylbenzene	2.753	2.637		-4.21	20
sec-Butylbenzene	3.612	3.431		-5.01	20
p-Isopropyltoluene	3.067	2.964		-3.36	20
1,3-Dichlorobenzene	1.714	1.588		-7.35	20
1,4-Dichlorobenzene	1.698	1.573		-7.36	20
n-Butylbenzene	2.742	2.563		-6.53	20
1,2-Dichlorobenzene	1.495	1.376		-7.96	20
1,2-Dibromo-3-Chloropropane	0.090	0.080		-11.11	20

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1,2,4-Trichlorobenzene	0.847	0.803		-5.2	20
Hexachlorobutadiene	0.521	0.484		-7.1	20
Naphthalene	1.408	1.372		-2.56	20
1,2,3-Trichlorobenzene	0.731	0.700		-4.24	20
1,2-Dichloroethane-d4	0.462	0.402		-12.99	20
Dibromofluoromethane	0.330	0.314		-4.85	20
Toluene-d8	1.245	1.202		-3.45	20
4-Bromofluorobenzene	0.419	0.404		-3.58	20
N-amyl acetate	0.574	0.524		-8.71	20
Methyl Iodide	0.617	0.574		-6.97	20
Allyl chloride	0.579	0.501		-13.47	20
trans-1,4-Dichloro-2-butene	0.178	0.163		-8.43	20
Methacrylonitrile	0.087	0.072		-17.24	20
Diisopropyl ether	1.288	1.156		-10.25	20
1,4-Dioxane	2.047	2.041	0.05	-0.29	50

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