

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1994 SAS No.: Q1994 SDG No.: Q1994

Instrument ID: MSVOA_X Calibration Date/Time: 05/09/2025 10:05

Lab File ID: VX046102.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.774		1.18	20
Chloromethane	0.742	0.714	0.1	-3.77	20
Vinyl Chloride	0.691	0.644		-6.8	20
Ethyl Acetate	0.598	0.553		-7.53	20
Bromomethane	0.320	0.287		-10.31	20
Chloroethane	0.369	0.344		-6.78	20
Trichlorofluoromethane	1.021	0.961		-5.88	20
1,1,2-Trichlorotrifluoroethane	0.632	0.583		-7.75	20
Tert butyl alcohol	0.131	0.114		-12.98	20
1,1-Dichloroethene	0.593	0.531		-10.45	20
Acrolein	0.149	0.210		40.94	20
Acrylonitrile	0.374	0.342		-8.56	20
Acetone	0.374	0.333		-10.96	20
Carbon Disulfide	1.406	1.316		-6.4	20
Methyl tert-butyl Ether	2.079	1.920		-7.65	20
Methyl Acetate	0.867	0.809		-6.69	20
Methylene Chloride	0.716	0.619		-13.55	20
trans-1,2-Dichloroethene	0.596	0.535		-10.23	20
Vinyl Acetate	1.925	1.805		-6.23	20
1,1-Dichloroethane	1.219	1.127	0.1	-7.55	20
Cyclohexane	1.111	0.992		-10.71	20
2-Butanone	0.543	0.495		-8.84	20
Carbon Tetrachloride	0.544	0.514		-5.51	20
2,2-Dichloropropane	0.954	0.879		-7.86	20
cis-1,2-Dichloroethene	0.718	0.655		-8.77	20
Bromochloromethane	0.587	0.581		-1.02	20
Chloroform	1.271	1.169		-8.02	20
1,1,1-Trichloroethane	1.101	1.023		-7.08	20
Methylcyclohexane	0.623	0.564		-9.47	20
1,1-Dichloropropene	0.484	0.438		-9.5	20
Benzene	1.417	1.319		-6.92	20
1,2-Dichloroethane	0.612	0.573		-6.37	20
Trichloroethene	0.341	0.324		-4.99	20
1,2-Dichloropropane	0.352	0.338		-3.98	20
Dibromomethane	0.278	0.259		-6.84	20
Bromodichloromethane	0.547	0.537		-1.83	20
4-Methyl-2-Pentanone	0.605	0.573		-5.29	20
Toluene	0.869	0.815		-6.21	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	0.487	0.475		-2.46	20
cis-1,3-Dichloropropene	0.538	0.532		-1.12	20
1,1,2-Trichloroethane	0.343	0.315		-8.16	20
1,3-Dichloropropane	0.615	0.558		-9.27	20
2-Chloroethyl Vinyl ether	0.278	0.294		5.76	20
2-Hexanone	0.448	0.424		-5.36	20
Dibromochloromethane	0.376	0.375		-0.27	20
1,2-Dibromoethane	0.356	0.335		-5.9	20
Tetrachloroethene	0.354	0.328		-7.34	20
Chlorobenzene	1.094	0.988	0.3	-9.69	20
1,1,1,2-Tetrachloroethane	0.374	0.349		-6.68	20
Hexachloroethane	0.585	0.553		-5.47	20
Ethyl Benzene	1.929	1.818		-5.75	20
m/p-Xylenes	0.706	0.662		-6.23	20
o-Xylene	0.688	0.641		-6.83	20
Styrene	1.127	1.086		-3.64	20
Bromoform	0.281	0.269	0.1	-4.27	20
Isopropylbenzene	3.893	3.663		-5.91	20
1,1,2,2-Tetrachloroethane	1.364	1.211	0.3	-11.22	20
1,2,3-Trichloropropane	1.204	1.066		-11.46	20
Bromobenzene	0.904	0.822		-9.07	20
n-propylbenzene	4.526	4.241		-6.3	20
2-Chlorotoluene	2.919	2.628		-9.97	20
1,3,5-Trimethylbenzene	3.252	3.062		-5.84	20
4-Chlorotoluene	3.238	3.022		-6.64	20
tert-Butylbenzene	3.276	3.011		-8.09	20
1,2,4-Trimethylbenzene	3.293	3.107		-5.65	20
sec-Butylbenzene	4.022	3.801		-5.49	20
p-Isopropyltoluene	3.320	3.172		-4.46	20
1,3-Dichlorobenzene	1.649	1.508		-8.55	20
1,4-Dichlorobenzene	1.684	1.512		-10.21	20
n-Butylbenzene	2.912	2.855		-1.96	20
1,2-Dichlorobenzene	1.655	1.505		-9.06	20
1,2-Dibromo-3-Chloropropane	0.302	0.296		-1.99	20
1,2,4-Trichlorobenzene	0.951	0.887		-6.73	20
Hexachlorobutadiene	0.415	0.402		-3.13	20
Naphthalene	3.487	3.163		-9.29	20
1,2,3-Trichlorobenzene	0.981	0.896		-8.66	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.932	0.924		-0.86	20
Dibromofluoromethane	0.360	0.377		4.72	20
Toluene-d8	1.246	1.280		2.73	20
4-Bromofluorobenzene	0.478	0.492		2.93	20

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