

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: Chem02

Lab Code: CHEM Case No.: Q1837 SAS No.: Q1837 SDG No.:

Instrument ID: MSVOA_X Calibration Date/Time: 04/23/2025 08:56

Lab File ID: VX045899.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.748	0.764		2.14	20
Chloromethane	0.768	0.772	0.1	0.52	20
Vinyl Chloride	0.703	0.703		0	20
Ethyl Acetate	0.604	0.618		2.32	20
Bromomethane	0.333	0.328		-1.5	20
Chloroethane	0.373	0.394		5.63	20
Trichlorofluoromethane	1.048	1.146		9.35	20
1,1,2-Trichlorotrifluoroethane	0.614	0.686		11.73	20
Tert butyl alcohol	0.123	0.123		0	20
1,1-Dichloroethene	0.600	0.610		1.67	20
Acrolein	0.169	0.135		-20.12	20
Acrylonitrile	0.388	0.382		-1.55	20
Acetone	0.375	0.381		1.6	20
Carbon Disulfide	1.483	1.466		-1.15	20
Methyl tert-butyl Ether	2.100	2.229		6.14	20
Methyl Acetate	0.864	0.930		7.64	20
Methylene Chloride	0.703	0.721		2.56	20
trans-1,2-Dichloroethene	0.613	0.632		3.1	20
Vinyl Acetate	1.938	2.094		8.05	20
1,1-Dichloroethane	1.269	1.321	0.1	4.1	20
Cyclohexane	1.122	1.168		4.1	20
2-Butanone	0.550	0.544		-1.09	20
Carbon Tetrachloride	0.518	0.602		16.22	20
2,2-Dichloropropane	0.820	1.034		26.1	20
cis-1,2-Dichloroethene	0.747	0.771		3.21	20
Bromochloromethane	0.613	0.597		-2.61	20
Chloroform	1.306	1.364		4.44	20
1,1,1-Trichloroethane	1.105	1.182		6.97	20
Methylcyclohexane	0.587	0.699		19.08	20
1,1-Dichloropropene	0.479	0.530		10.65	20
Benzene	1.463	1.568		7.18	20
1,2-Dichloroethane	0.604	0.676		11.92	20
Trichloroethene	0.348	0.383		10.06	20
1,2-Dichloropropane	0.365	0.400		9.59	20
Dibromomethane	0.280	0.308		10	20
Bromodichloromethane	0.560	0.625		11.61	20
4-Methyl-2-Pentanone	0.606	0.652		7.59	20
Toluene	0.885	0.970		9.6	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	0.467	0.578		23.77	20
cis-1,3-Dichloropropene	0.526	0.624		18.63	20
1,1,2-Trichloroethane	0.353	0.382		8.22	20
1,3-Dichloropropane	0.614	0.664		8.14	20
2-Chloroethyl Vinyl ether	0.276	0.307		11.23	20
2-Hexanone	0.449	0.475		5.79	20
Dibromochloromethane	0.385	0.444		15.32	20
1,2-Dibromoethane	0.357	0.394		10.36	20
Tetrachloroethene	0.353	0.411		16.43	20
Chlorobenzene	1.068	1.189	0.3	11.33	20
1,1,1,2-Tetrachloroethane	0.371	0.417		12.4	20
Hexachloroethane	0.571	0.663		16.11	20
Ethyl Benzene	1.914	2.194		14.63	20
m/p-Xylenes	0.696	0.797		14.51	20
o-Xylene	0.686	0.778		13.41	20
Styrene	1.132	1.324		16.96	20
Bromoform	0.277	0.320	0.1	15.52	20
Isopropylbenzene	4.005	4.353		8.69	20
1,1,2,2-Tetrachloroethane	1.407	1.359	0.3	-3.41	20
1,2,3-Trichloropropane	1.220	1.224		0.33	20
Bromobenzene	0.925	0.971		4.97	20
n-propylbenzene	4.613	5.170		12.07	20
2-Chlorotoluene	2.949	3.127		6.04	20
1,3,5-Trimethylbenzene	3.312	3.713		12.08	20
4-Chlorotoluene	3.288	3.695		12.38	20
tert-Butylbenzene	3.279	3.606		9.97	20
1,2,4-Trimethylbenzene	3.324	3.752		12.88	20
sec-Butylbenzene	4.027	4.605		14.33	20
p-Isopropyltoluene	3.320	3.837		15.57	20
1,3-Dichlorobenzene	1.684	1.819		8.02	20
1,4-Dichlorobenzene	1.708	1.812		6.09	20
n-Butylbenzene	2.879	3.506		21.78	20
1,2-Dichlorobenzene	1.675	1.806		7.82	20
1,2-Dibromo-3-Chloropropane	0.294	0.319		8.5	20
1,2,4-Trichlorobenzene	0.932	1.048		12.45	20
Hexachlorobutadiene	0.402	0.461		14.68	20
Naphthalene	3.469	3.689		6.34	20
1,2,3-Trichlorobenzene	0.976	1.068		9.43	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.914	0.880		-3.72	20
Dibromofluoromethane	0.355	0.364		2.54	20
Toluene-d8	1.238	1.196		-3.39	20
4-Bromofluorobenzene	0.451	0.480		6.43	20

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