

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GFEL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3111</u>
Instrument ID:	<u>MSVOA_L</u>	Calibration Date/Time:	<u>09/18/2025 09:38</u>
Lab File ID:	<u>VL042939.D</u>	Init. Calib. Date(s):	<u>09/17/2025 09/17/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:48 14:17</u>
GC Column:	<u>RTX-1</u>	ID:	<u>0.32</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	1.428	1.420		-0.56	30
Chloromethane	0.574	0.543		-5.4	30
Vinyl Chloride	0.542	0.495		-8.67	30
Bromomethane	0.188	0.181		-3.72	30
Chloroethane	0.199	0.198		-0.5	30
Tetrahydrofuran	0.321	0.385		19.94	30
Trichlorofluoromethane	1.411	1.348		-4.47	30
1,1,2-Trichlorotrifluoroethane	1.102	1.039		-5.72	30
Dichlorotetrafluoroethane	1.133	1.112		-1.85	30
tert-Butyl alcohol	1.183	1.196		1.1	30
Heptane	1.361	1.624		19.32	30
1,1-Dichloroethene	0.483	0.468		-3.11	30
Acetone	1.228	0.982		-20.03	30
Carbon Disulfide	1.388	1.355		-2.38	30
Methyl tert-Butyl Ether	0.619	0.596		-3.72	30
Methylene Chloride	0.535	0.425		-20.56	30
trans-1,2-Dichloroethene	0.547	0.538		-1.64	30
1,1-Dichloroethane	1.080	1.065		-1.39	30
Cyclohexane	0.848	1.062		25.24	30
2-Butanone	0.648	0.699		7.87	30
Carbon Tetrachloride	0.711	0.686		-3.52	30
cis-1,2-Dichloroethene	1.099	1.237		12.56	30
Chloroform	1.840	1.899		3.21	30
1,1,1-Trichloroethane	1.721	1.766		2.62	30
2,2,4-Trimethylpentane	1.455	1.669		14.71	30
Benzene	0.872	0.959		9.98	30
1,2-Dichloroethane	0.522	0.540		3.45	30
Trichloroethene	0.395	0.404		2.28	30
1,2-Dichloropropane	0.353	0.365		3.4	30
Bromodichloromethane	0.750	0.771		2.8	30
4-Methyl-2-Pentanone	0.775	0.944		21.81	30
Toluene	0.813	1.026		26.2	30
t-1,3-Dichloropropene	0.308	0.369		19.81	30
cis-1,3-Dichloropropene	0.425	0.501		17.88	30
1,1,2-Trichloroethane	0.359	0.378		5.29	30
Dibromochloromethane	0.563	0.587		4.26	30
1,2-Dibromoethane	0.462	0.508		9.96	30
Tetrachloroethene	0.269	0.281		4.46	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	0.924	0.966		4.55	30
Ethyl Benzene	1.288	1.661		28.96	30
m/p-Xylene	1.089	1.387		27.36	30
o-Xylene	1.082	1.403		29.67	30
Styrene	0.403	0.572		41.94	30
Bromoform	0.439	0.471		7.29	30
1,1,2,2-Tetrachloroethane	0.782	0.788		0.77	30
2-Chlorotoluene	1.170	1.493		27.61	30
1,3,5-Trimethylbenzene	1.071	1.373		28.2	30
1,2,4-Trimethylbenzene	1.258	1.585		25.99	30
1,3-Dichlorobenzene	0.798	0.900		12.78	30
1,4-Dichlorobenzene	0.768	0.899		17.06	30
1,2-Dichlorobenzene	0.805	0.888		10.31	30
1,2,4-Trichlorobenzene	0.479	0.633		32.15	30
Hexachloro-1,3-Butadiene	0.514	0.505		-1.75	30
1,3-Butadiene	0.514	0.506		-1.56	30
Naphthalene	0.849	1.292		52.18	30
4-Ethyltoluene	1.267	1.671		31.89	30
1-Bromo-4-Fluorobenzene	0.782	0.821		4.99	30
Hexane	1.126	1.301		15.54	30
Allyl Chloride	0.833	0.815		-2.16	30
1,4-Dioxane	125.114	133.598		6.78	30
Methyl Methacrylate	0.292	0.358		22.6	30

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