

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ALLI03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2552</u>
Instrument ID:	<u>MSVOA_U</u>	Calibration Date/Time:	<u>07/17/2025 09:25</u>
Lab File ID:	<u>VU063519.D</u>	Init. Calib. Date(s):	<u>07/16/2025 07/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:24 12:11</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.295	0.284		-3.73	30
Chloromethane	0.274	0.271		-1.1	30
Vinyl Chloride	0.349	0.339		-2.87	30
Bromomethane	0.263	0.242		-7.99	30
Chloroethane	0.211	0.206		-2.37	30
Tetrahydrofuran	0.057	0.051		-10.53	30
Trichlorofluoromethane	0.501	0.484		-3.39	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.262	0.259		-1.14	30
tert-Butyl Alcohol	0.024	0.023		-4.17	30
Diethyl Ether	0.198	0.199		0.5	30
1,1-Dichloroethene	0.260	0.255		-1.92	30
Acrylonitrile	0.065	0.063		-3.08	30
Acetone	0.052	0.080		53.85	30
Carbon Disulfide	0.839	0.805		-4.05	30
Methyl tert-Butyl Ether	0.678	0.681		0.44	30
Methyl acrylate	0.160	0.149		-6.88	30
Methylene Chloride	0.306	0.286		-6.54	30
trans-1,2-Dichloroethene	0.295	0.282		-4.41	30
1,1-Dichloroethane	0.546	0.536		-1.83	30
Cyclohexane	0.463	0.437		-5.62	30
2-Butanone	0.081	0.100		23.46	30
Carbon Tetrachloride	0.381	0.388		1.84	30
2,2-Dichloropropane	0.465	0.456		-1.93	30
cis-1,2-Dichloroethene	0.320	0.312		-2.5	30
Bromochloromethane	0.134	0.135		0.75	30
Chloroform	0.558	0.543		-2.69	30
1,1,1-Trichloroethane	0.473	0.466		-1.48	30
Methylcyclohexane	0.450	0.467		3.78	30
1,1-Dichloropropene	0.438	0.425		-2.97	30
Propionitrile	0.025	0.023		-8	30
Benzene	1.178	1.188		0.85	30
1,2-Dichloroethane	0.366	0.368		0.55	30
Trichloroethene	0.301	0.318		5.65	30
1,2-Dichloropropane	0.276	0.308		11.59	30
1-Chlorobutane	0.583	0.580		-0.51	30
Dibromomethane	0.143	0.144		0.7	30
Bromodichloromethane	0.322	0.324		0.62	30
4-Methyl-2-Pentanone	0.147	0.154		4.76	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
Toluene	0.643	0.653		1.55	30
t-1,3-Dichloropropene	0.253	0.278		9.88	30
cis-1,3-Dichloropropene	0.339	0.359		5.9	30
1,1,2-Trichloroethane	0.192	0.199		3.65	30
1,3-Dichloropropane	0.332	0.333		0.3	30
2-Hexanone	0.098	0.118		20.41	30
Dibromochloromethane	0.203	0.229		12.81	30
1,2-Dibromoethane	0.172	0.178		3.49	30
Tetrachloroethene	0.275	0.267		-2.91	30
Chlorobenzene	0.739	0.758		2.57	30
1,1,1,2-Tetrachloroethane	0.238	0.246		3.36	30
Hexachloroethane	0.166	0.183		10.24	30
Ethyl Benzene	1.271	1.290		1.5	30
m/p-Xylenes	0.494	0.510		3.24	30
o-Xylene	0.475	0.499		5.05	30
Styrene	0.757	0.817		7.93	30
Bromoform	0.104	0.116		11.54	30
Isopropylbenzene	1.148	1.207		5.14	30
1,1,2,2-Tetrachloroethane	0.234	0.245		4.7	30
1,2,3-Trichloropropane	0.190	0.195		2.63	30
Bromobenzene	0.296	0.311		5.07	30
n-propylbenzene	0.346	0.365		5.49	30
2-Chlorotoluene	0.305	0.319		4.59	30
1,3,5-Trimethylbenzene	1.097	1.162		5.93	30
4-Chlorotoluene	0.310	0.333		7.42	30
tert-Butylbenzene	1.048	1.102		5.15	30
1,2,4-Trimethylbenzene	1.088	1.163		6.89	30
sec-Butylbenzene	1.413	1.483		4.95	30
p-Isopropyltoluene	1.180	1.264		7.12	30
1,3-Dichlorobenzene	0.593	0.622		4.89	30
1,4-Dichlorobenzene	0.593	0.625		5.4	30
n-Butylbenzene	1.094	1.206		10.24	30
1,2-Dichlorobenzene	0.557	0.586		5.21	30
1,2-Dibromo-3-Chloropropane	0.033	0.040		21.21	30
1,2,4-Trichlorobenzene	0.346	0.381		10.12	30
Hexachlorobutadiene	0.197	0.206		4.57	30
Naphthalene	0.621	0.687		10.63	30
1,2,3-Trichlorobenzene	0.320	0.357		11.56	30

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COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Nitrobenzene	0.004	0.005		25	30
1,2-Dichlorobenzene-d4	0.350	0.339		-3.14	30
4-Bromofluorobenzene	0.379	0.365		-3.69	30
Iodomethane	0.314	0.350		11.47	30
Allyl Chloride	0.375	0.371		-1.07	30
t-1,4-Dichloro-2-butene	0.055	0.052		-5.45	30
Methacrylonitrile	0.109	0.101		-7.34	30
Ethyl methacrylate	0.229	0.249		8.73	30
Isopropyl Ether	0.825	0.805		-2.42	30
Methyl methacrylate	0.120	0.125		4.17	30

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