

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2939</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>08/25/2025 10:14</u>
Lab File ID:	<u>VX047511.D</u>	Init. Calib. Date(s):	<u>08/15/2025 08/15/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 12:30</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.592		-7.06	20
Chloromethane	0.573	0.503	0.1	-12.22	20
Vinyl Chloride	0.720	0.665		-7.64	20
Ethyl Acetate	0.532	0.507		-4.7	20
Bromomethane	0.291	0.304		4.47	20
Chloroethane	0.440	0.395		-10.23	20
Trichlorofluoromethane	1.065	0.990		-7.04	20
1,1,2-Trichlorotrifluoroethane	0.618	0.608		-1.62	20
Tert butyl alcohol	0.061	0.079		29.51	20
1,1-Dichloroethene	0.630	0.602		-4.44	20
Acrolein	0.129	0.172		33.33	20
Acrylonitrile	0.294	0.330		12.24	20
Acetone	0.263	0.305		15.97	20
Carbon Disulfide	1.900	1.660		-12.63	20
Methyl tert-butyl Ether	1.915	2.057		7.41	20
Methyl Acetate	0.682	0.848		24.34	20
Methylene Chloride	0.697	0.688		-1.29	20
trans-1,2-Dichloroethene	0.668	0.637		-4.64	20
Vinyl Acetate	1.772	1.890		6.66	20
1,1-Dichloroethane	1.222	1.242	0.1	1.64	20
Cyclohexane	1.126	1.019		-9.5	20
2-Butanone	0.344	0.418		21.51	20
Carbon Tetrachloride	0.560	0.544		-2.86	20
2,2-Dichloropropane	0.922	0.951		3.14	20
cis-1,2-Dichloroethene	0.778	0.774		-0.51	20
Bromochloromethane	0.508	0.547		7.68	20
Chloroform	1.247	1.267		1.6	20
1,1,1-Trichloroethane	1.073	1.063		-0.93	20
Methylcyclohexane	0.639	0.589		-7.82	20
1,1-Dichloropropene	0.512	0.488		-4.69	20
Benzene	1.533	1.529		-0.26	20
1,2-Dichloroethane	0.543	0.551		1.47	20
Trichloroethene	0.393	0.383		-2.55	20
1,2-Dichloropropane	0.384	0.394		2.6	20
Dibromomethane	0.279	0.283		1.43	20
Bromodichloromethane	0.578	0.601		3.98	20
4-Methyl-2-Pentanone	0.440	0.495		12.5	20
Toluene	0.947	0.950		0.32	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	0.505	0.558		10.49	20
cis-1,3-Dichloropropene	0.571	0.608		6.48	20
1,1,2-Trichloroethane	0.360	0.375		4.17	20
1,3-Dichloropropane	0.613	0.642		4.73	20
2-Chloroethyl Vinyl ether	0.211	0.249		18.01	20
2-Hexanone	0.304	0.344		13.16	20
Dibromochloromethane	0.428	0.454		6.07	20
1,2-Dibromoethane	0.371	0.386		4.04	20
Tetrachloroethene	0.362	0.337		-6.91	20
Chlorobenzene	1.188	1.157	0.3	-2.61	20
1,1,1,2-Tetrachloroethane	0.402	0.409		1.74	20
Hexachloroethane	0.591	0.612		3.55	20
Ethyl Benzene	2.045	1.994		-2.49	20
m/p-Xylenes	0.763	0.747		-2.1	20
o-Xylene	0.734	0.734		0	20
Styrene	1.240	1.285		3.63	20
Bromoform	0.302	0.327	0.1	8.28	20
Isopropylbenzene	3.913	3.954		1.05	20
1,1,2,2-Tetrachloroethane	1.149	1.213	0.3	5.57	20
1,2,3-Trichloropropane	0.917	0.984		7.31	20
Bromobenzene	0.955	0.965		1.05	20
n-propylbenzene	4.673	4.699		0.56	20
2-Chlorotoluene	2.825	2.783		-1.49	20
1,3,5-Trimethylbenzene	3.219	3.249		0.93	20
4-Chlorotoluene	3.330	3.293		-1.11	20
tert-Butylbenzene	3.212	3.314		3.18	20
1,2,4-Trimethylbenzene	3.219	3.316		3.01	20
sec-Butylbenzene	3.981	4.065		2.11	20
p-Isopropyltoluene	3.369	3.408		1.16	20
1,3-Dichlorobenzene	1.825	1.810		-0.82	20
1,4-Dichlorobenzene	1.877	1.835		-2.24	20
n-Butylbenzene	3.133	3.188		1.76	20
1,2-Dichlorobenzene	1.733	1.752		1.1	20
1,2-Dibromo-3-Chloropropane	0.222	0.245		10.36	20
1,2,4-Trichlorobenzene	1.161	1.183		1.89	20
Hexachlorobutadiene	0.413	0.398		-3.63	20
Naphthalene	3.319	3.613		8.86	20
1,2,3-Trichlorobenzene	1.095	1.120		2.28	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.700	0.709		1.29	20
Dibromofluoromethane	0.325	0.333		2.46	20
Toluene-d8	1.160	1.165		0.43	20
4-Bromofluorobenzene	0.428	0.438		2.34	20

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