

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3373</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/22/2025 08:37</u>
Lab File ID:	<u>VX048280.D</u>	Init. Calib. Date(s):	<u>10/20/2025 10/20/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>10:59 13:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.514	0.578		12.45	20
Chloromethane	0.480	0.438	0.1	-8.75	20
Vinyl Chloride	0.444	0.420		-5.41	20
Ethyl Acetate	0.402	0.376		-6.47	20
Bromomethane	0.302	0.297		-1.66	20
Chloroethane	0.261	0.256		-1.92	20
Trichlorofluoromethane	0.852	0.951		11.62	20
1,1,2-Trichlorotrifluoroethane	0.540	0.607		12.41	20
Tert butyl alcohol	0.070	0.063		-10	20
1,1-Dichloroethene	0.525	0.556		5.91	20
Acrolein	0.071	0.085		19.72	20
Acrylonitrile	0.251	0.233		-7.17	20
Acetone	0.240	0.274		14.17	20
Carbon Disulfide	1.654	1.577		-4.66	20
Methyl tert-butyl Ether	1.791	1.857		3.68	20
Methyl Acetate	0.502	0.458		-8.77	20
Methylene Chloride	0.586	0.608		3.75	20
trans-1,2-Dichloroethene	0.577	0.603		4.51	20
Vinyl Acetate	1.389	1.377		-0.86	20
1,1-Dichloroethane	1.051	1.063	0.1	1.14	20
Cyclohexane	0.870	0.876		0.69	20
2-Butanone	0.304	0.297		-2.3	20
Carbon Tetrachloride	0.599	0.685		14.36	20
2,2-Dichloropropane	0.949	1.024		7.9	20
cis-1,2-Dichloroethene	0.673	0.684		1.63	20
Bromochloromethane	0.436	0.447		2.52	20
Chloroform	1.123	1.158		3.12	20
1,1,1-Trichloroethane	1.035	1.137		9.85	20
Methylcyclohexane	0.573	0.634		10.65	20
1,1-Dichloropropene	0.485	0.520		7.22	20
Benzene	1.409	1.476		4.76	20
1,2-Dichloroethane	0.520	0.586		12.69	20
Trichloroethene	0.372	0.403		8.33	20
1,2-Dichloropropane	0.335	0.349		4.18	20
Dibromomethane	0.261	0.276		5.75	20
Bromodichloromethane	0.563	0.621		10.3	20
4-Methyl-2-Pentanone	0.381	0.362		-4.99	20
Toluene	0.895	0.954		6.59	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	0.543	0.594		9.39	20
cis-1,3-Dichloropropene	0.586	0.625		6.66	20
1,1,2-Trichloroethane	0.333	0.347		4.2	20
1,3-Dichloropropane	0.568	0.591		4.05	20
2-Chloroethyl Vinyl ether	0.232	0.267		15.09	20
2-Hexanone	0.266	0.280		5.26	20
Dibromochloromethane	0.447	0.470		5.14	20
1,2-Dibromoethane	0.355	0.373		5.07	20
Tetrachloroethene	0.373	0.399		6.97	20
Chlorobenzene	1.125	1.207	0.3	7.29	20
1,1,1,2-Tetrachloroethane	0.413	0.452		9.44	20
Hexachloroethane	0.638	0.643		0.78	20
Ethyl Benzene	1.915	2.078		8.51	20
m/p-Xylenes	0.712	0.782		9.83	20
o-Xylene	0.687	0.747		8.73	20
Styrene	1.170	1.308		11.8	20
Bromoform	0.330	0.351	0.1	6.36	20
Isopropylbenzene	3.652	3.981		9.01	20
1,1,2,2-Tetrachloroethane	0.997	0.983	0.3	-1.4	20
1,2,3-Trichloropropane	0.811	0.825		1.73	20
Bromobenzene	0.916	0.980		6.99	20
n-propylbenzene	4.228	4.651		10.01	20
2-Chlorotoluene	2.564	2.773		8.15	20
1,3,5-Trimethylbenzene	3.022	3.313		9.63	20
4-Chlorotoluene	3.043	3.274		7.59	20
tert-Butylbenzene	3.105	3.318		6.86	20
1,2,4-Trimethylbenzene	3.016	3.293		9.18	20
sec-Butylbenzene	3.736	4.036		8.03	20
p-Isopropyltoluene	3.229	3.514		8.83	20
1,3-Dichlorobenzene	1.726	1.798		4.17	20
1,4-Dichlorobenzene	1.788	1.820		1.79	20
n-Butylbenzene	2.939	3.076		4.66	20
1,2-Dichlorobenzene	1.621	1.694		4.5	20
1,2-Dibromo-3-Chloropropane	0.202	0.207		2.47	20
1,2,4-Trichlorobenzene	1.096	1.118		2.01	20
Hexachlorobutadiene	0.507	0.444		-12.43	20
Naphthalene	2.904	2.963		2.03	20
1,2,3-Trichlorobenzene	1.006	1.031		2.48	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.701	0.677		-3.42	20
Dibromofluoromethane	0.341	0.353		3.52	20
Toluene-d8	1.196	1.188		-0.67	20
4-Bromofluorobenzene	0.455	0.440		-3.3	20

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