

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3745</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/02/2025 10:00</u>
Lab File ID:	<u>VN088396.D</u>	Init. Calib. Date(s):	<u>11/24/2025 11/24/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:38 14:35</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.751	0.786		4.66	20
Chloromethane	0.807	0.845	0.1	4.71	20
Vinyl Chloride	0.821	0.843		2.68	20
Ethyl Acetate	0.703	0.697		-0.85	20
Bromomethane	0.395	0.429		8.61	20
Chloroethane	0.508	0.539		6.1	20
Trichlorofluoromethane	1.153	1.181		2.43	20
1,1,2-Trichlorotrifluoroethane	0.614	0.613		-0.16	20
Tert butyl alcohol	0.150	0.138		-8	20
1,1-Dichloroethene	0.610	0.615		0.82	20
Acrolein	0.144	0.186		29.17	20
Acrylonitrile	0.434	0.450		3.69	20
Acetone	0.341	0.307		-9.97	20
Carbon Disulfide	1.993	2.027		1.71	20
Methyl tert-butyl Ether	2.285	2.558		11.95	20
Methyl Acetate	1.014	1.074		5.92	20
Methylene Chloride	0.729	0.758		3.98	20
trans-1,2-Dichloroethene	0.676	0.712		5.32	20
Vinyl Acetate	1.945	2.170		11.57	20
1,1-Dichloroethane	1.367	1.456	0.1	6.51	20
Cyclohexane	1.239	1.232		-0.56	20
2-Butanone	0.548	0.563		2.74	20
Carbon Tetrachloride	0.532	0.564		6.01	20
2,2-Dichloropropane	1.180	1.272		7.8	20
cis-1,2-Dichloroethene	0.785	0.832		5.99	20
Bromochloromethane	0.681	0.699		2.64	20
Chloroform	1.343	1.462		8.86	20
1,1,1-Trichloroethane	1.181	1.247		5.59	20
Methylcyclohexane	0.572	0.574		0.35	20
1,1-Dichloropropene	0.535	0.538		0.56	20
Benzene	1.570	1.657		5.54	20
1,2-Dichloroethane	0.599	0.667		11.35	20
Trichloroethene	0.371	0.369		-0.54	20
1,2-Dichloropropane	0.402	0.431		7.21	20
Dibromomethane	0.287	0.311		8.36	20
Bromodichloromethane	0.586	0.638		8.87	20
4-Methyl-2-Pentanone	0.633	0.694		9.64	20
Toluene	0.906	1.005		10.93	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	0.601	0.670		11.48	20
cis-1,3-Dichloropropene	0.632	0.699		10.6	20
1,1,2-Trichloroethane	0.351	0.376		7.12	20
1,3-Dichloropropane	0.633	0.694		9.64	20
2-Chloroethyl Vinyl ether	0.319	0.379		18.81	20
2-Hexanone	0.399	0.450		12.78	20
Dibromochloromethane	0.400	0.439		9.75	20
1,2-Dibromoethane	0.355	0.382		7.61	20
Tetrachloroethene	0.396	0.355		-10.35	20
Chlorobenzene	1.123	1.184	0.3	5.43	20
1,1,1,2-Tetrachloroethane	0.379	0.409		7.92	20
Hexachloroethane	0.560	0.613		9.46	20
Ethyl Benzene	1.963	2.113		7.64	20
m/p-Xylenes	0.728	0.798		9.61	20
o-Xylene	0.694	0.758		9.22	20
Styrene	1.127	1.318		16.95	20
Bromoform	0.277	0.305	0.1	10.11	20
Isopropylbenzene	3.697	4.066		9.98	20
1,1,2,2-Tetrachloroethane	1.195	1.245	0.3	4.18	20
1,2,3-Trichloropropane	1.171	1.222		4.36	20
Bromobenzene	0.846	0.922		8.98	20
n-propylbenzene	4.523	4.926		8.91	20
2-Chlorotoluene	2.762	2.967		7.42	20
1,3,5-Trimethylbenzene	3.063	3.376		10.22	20
4-Chlorotoluene	2.743	3.100		13.02	20
tert-Butylbenzene	2.604	2.789		7.1	20
1,2,4-Trimethylbenzene	3.045	3.455		13.47	20
sec-Butylbenzene	3.741	4.012		7.24	20
p-Isopropyltoluene	3.068	3.397		10.72	20
1,3-Dichlorobenzene	1.647	1.752		6.38	20
1,4-Dichlorobenzene	1.725	1.800		4.35	20
n-Butylbenzene	2.979	3.192		7.15	20
1,2-Dichlorobenzene	1.550	1.664		7.36	20
1,2-Dibromo-3-Chloropropane	0.290	0.303		4.48	20
1,2,4-Trichlorobenzene	0.921	0.953		3.47	20
Hexachlorobutadiene	0.331	0.333		0.6	20
Naphthalene	3.190	3.406		6.77	20
1,2,3-Trichlorobenzene	0.896	0.919		2.57	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.942	0.990		5.1	20
Dibromofluoromethane	0.346	0.360		4.05	20
Toluene-d8	1.289	1.336		3.65	20
4-Bromofluorobenzene	0.442	0.474		7.24	20

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