

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3325</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/14/2025</u> <u>10:02</u>
Lab File ID:	<u>VX048153.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.667		28.76	20
Chloromethane	0.680	0.757	0.1	11.32	20
Vinyl Chloride	0.666	0.847		27.18	20
Ethyl Acetate	0.525	0.503		-4.19	20
Bromomethane	0.422	0.520		23.22	20
Chloroethane	0.445	0.518		16.4	20
Trichlorofluoromethane	0.989	1.294		30.84	20
1,1,2-Trichlorotrifluoroethane	0.578	0.719		24.39	20
Tert butyl alcohol	0.089	0.076		-14.61	20
1,1-Dichloroethene	0.594	0.702		18.18	20
Acrolein	0.082	0.090		9.76	20
Acrylonitrile	0.328	0.333		1.52	20
Acetone	0.346	0.318		-8.09	20
Carbon Disulfide	1.626	2.086		28.29	20
Methyl tert-butyl Ether	2.169	2.175		0.28	20
Methyl Acetate	0.770	0.685		-11.04	20
Methylene Chloride	0.732	0.779		6.42	20
trans-1,2-Dichloroethene	0.640	0.738		15.31	20
Vinyl Acetate	1.901	1.901		0	20
1,1-Dichloroethane	1.263	1.365	0.1	8.08	20
Cyclohexane	1.052	1.169		11.12	20
2-Butanone	0.432	0.397		-8.1	20
Carbon Tetrachloride	0.532	0.645		21.24	20
2,2-Dichloropropane	1.050	1.114		6.09	20
cis-1,2-Dichloroethene	0.783	0.834		6.51	20
Bromochloromethane	0.551	0.528		-4.17	20
Chloroform	1.276	1.395		9.33	20
1,1,1-Trichloroethane	1.082	1.227		13.4	20
Methylcyclohexane	0.556	0.660		18.7	20
1,1-Dichloropropene	0.490	0.555		13.27	20
Benzene	1.488	1.679		12.84	20
1,2-Dichloroethane	0.566	0.618		9.19	20
Trichloroethene	0.360	0.415		15.28	20
1,2-Dichloropropane	0.381	0.420		10.24	20
Dibromomethane	0.277	0.303		9.39	20
Bromodichloromethane	0.572	0.658		15.03	20
4-Methyl-2-Pentanone	0.477	0.470		-1.47	20
Toluene	0.917	1.028		12.1	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	0.584	0.626		7.19	20
cis-1,3-Dichloropropene	0.624	0.683		9.45	20
1,1,2-Trichloroethane	0.354	0.381		7.63	20
1,3-Dichloropropane	0.607	0.669		10.21	20
2-Chloroethyl Vinyl ether	0.227	0.272		19.82	20
2-Hexanone	0.343	0.327		-4.66	20
Dibromochloromethane	0.407	0.473		16.22	20
1,2-Dibromoethane	0.360	0.394		9.44	20
Tetrachloroethene	0.326	0.383		17.49	20
Chlorobenzene	1.136	1.236	0.3	8.8	20
1,1,1,2-Tetrachloroethane	0.392	0.443		13.01	20
Hexachloroethane	0.564	0.646		14.54	20
Ethyl Benzene	1.960	2.162		10.31	20
m/p-Xylenes	0.729	0.814		11.66	20
o-Xylene	0.706	0.754		6.8	20
Styrene	1.236	1.320		6.8	20
Bromoform	0.293	0.316	0.1	7.85	20
Isopropylbenzene	3.801	3.991		5	20
1,1,2,2-Tetrachloroethane	1.150	1.134	0.3	-1.39	20
1,2,3-Trichloropropane	1.012	1.030		1.78	20
Bromobenzene	0.936	0.962		2.78	20
n-propylbenzene	4.494	4.818		7.21	20
2-Chlorotoluene	2.752	2.835		3.02	20
1,3,5-Trimethylbenzene	3.123	3.295		5.51	20
4-Chlorotoluene	3.251	3.366		3.54	20
tert-Butylbenzene	3.197	3.184		-0.41	20
1,2,4-Trimethylbenzene	3.166	3.314		4.68	20
sec-Butylbenzene	3.797	3.999		5.32	20
p-Isopropyltoluene	3.215	3.354		4.32	20
1,3-Dichlorobenzene	1.739	1.779		2.3	20
1,4-Dichlorobenzene	1.785	1.799		0.78	20
n-Butylbenzene	2.975	3.095		4.03	20
1,2-Dichlorobenzene	1.657	1.679		1.33	20
1,2-Dibromo-3-Chloropropane	0.233	0.210		-9.87	20
1,2,4-Trichlorobenzene	1.077	1.027		-4.64	20
Hexachlorobutadiene	0.366	0.361		-1.37	20
Naphthalene	3.279	2.989		-8.84	20
1,2,3-Trichlorobenzene	1.002	0.966		-3.59	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.796	0.845		6.16	20
Dibromofluoromethane	0.335	0.391		16.72	20
Toluene-d8	1.160	1.287		10.95	20
4-Bromofluorobenzene	0.440	0.491		11.59	20

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