

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2651</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>07/21/2025</u> <u>10:08</u>
Lab File ID:	<u>VY023015.D</u>	Init. Calib. Date(s):	<u>07/18/2025</u> <u>07/18/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>10:08</u> <u>12:49</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.425	0.351		-17.41	20
Chloromethane	0.722	0.755	0.1	4.57	20
Vinyl Chloride	0.915	0.869		-5.03	20
Bromomethane	0.660	0.651		-1.36	20
Chloroethane	0.611	0.596		-2.45	20
Trichlorofluoromethane	1.062	1.013		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.558	0.492		-11.83	20
1,1-Dichloroethene	0.531	0.469		-11.68	20
Acetone	0.092	0.106		15.22	20
Carbon Disulfide	1.610	1.413		-12.24	20
Methyl tert-butyl Ether	1.274	1.265		-0.71	20
Methyl Acetate	0.311	0.353		13.51	20
Methylene Chloride	0.871	0.586		-32.72	20
trans-1,2-Dichloroethene	0.591	0.535		-9.48	20
1,1-Dichloroethane	1.079	0.992	0.1	-8.06	20
Cyclohexane	1.008	0.874		-13.29	20
2-Butanone	0.132	0.151		14.39	20
Carbon Tetrachloride	0.543	0.493		-9.21	20
cis-1,2-Dichloroethene	0.682	0.624		-8.5	20
Bromochloromethane	0.418	0.413		-1.2	20
Chloroform	1.088	0.998		-8.27	20
1,1,1-Trichloroethane	0.987	0.890		-9.83	20
Methylcyclohexane	0.647	0.588		-9.12	20
Benzene	1.504	1.399		-6.98	20
1,2-Dichloroethane	0.374	0.375		0.27	20
Trichloroethene	0.386	0.359		-6.99	20
1,2-Dichloropropane	0.351	0.331		-5.7	20
Bromodichloromethane	0.502	0.480		-4.38	20
4-Methyl-2-Pentanone	0.187	0.216		15.51	20
Toluene	0.935	0.884		-5.45	20
t-1,3-Dichloropropene	0.431	0.440		2.09	20
cis-1,3-Dichloropropene	0.519	0.504		-2.89	20
1,1,2-Trichloroethane	0.239	0.238		-0.42	20
2-Hexanone	0.123	0.147		19.51	20
Dibromochloromethane	0.312	0.312		0	20
1,2-Dibromoethane	0.217	0.223		2.77	20
Tetrachloroethene	0.511	0.480		-6.07	20
Chlorobenzene	1.180	1.093	0.3	-7.37	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
Ethyl Benzene	2.091	1.947		-6.89	20
m/p-Xylenes	0.802	0.748		-6.73	20
o-Xylene	0.744	0.704		-5.38	20
Styrene	1.219	1.166		-4.35	20
Bromoform	0.204	0.207	0.1	1.47	20
Isopropylbenzene	4.239	3.753		-11.47	20
1,1,2,2-Tetrachloroethane	0.613	0.586	0.3	-4.41	20
1,3-Dichlorobenzene	1.855	1.689		-8.95	20
1,4-Dichlorobenzene	1.795	1.630		-9.19	20
1,2-Dichlorobenzene	1.565	1.458		-6.84	20
1,2-Dibromo-3-Chloropropane	0.091	0.100		9.89	20
1,2,4-Trichlorobenzene	0.825	0.820		-0.61	20
1,2,3-Trichlorobenzene	0.681	0.699		2.64	20
1,2-Dichloroethane-d4	0.506	0.497		-1.78	20
Dibromofluoromethane	0.317	0.294		-7.26	20
Toluene-d8	1.258	1.168		-7.15	20
4-Bromofluorobenzene	0.396	0.374		-5.56	20

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