

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance

Contract: ALLI03

Lab Code: ACE

SDG No.: Q3483

Instrument ID: MSVOA_Y

Calibration Date/Time: 11/06/2025 08:42

Lab File ID: VY023692.D

Init. Calib. Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y

Init. Calib. Time(s): 09:19 11:27

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.328	0.287		-12.5	20
Chloromethane	0.459	0.441	0.1	-3.92	20
Vinyl Chloride	0.598	0.567		-5.18	20
Ethyl Acetate	0.162	0.165		1.85	20
Isopropyl Acetate	0.304	0.294		-3.29	20
Bromomethane	0.503	0.450		-10.54	20
Chloroethane	0.413	0.403		-2.42	20
Tetrahydrofuran	0.065	0.064		-1.54	20
Trichlorofluoromethane	0.842	0.801		-4.87	20
1,1,2-Trichlorotrifluoroethane	0.464	0.452		-2.59	20
Tert butyl alcohol	0.028	0.024		-14.29	20
Diethyl Ether	0.226	0.208		-7.97	20
1,1-Dichloroethene	0.447	0.435		-2.68	20
Acrolein	0.035	0.027		-22.86	20
Acrylonitrile	0.086	0.085		-1.16	20
Acetone	0.106	0.111		4.72	20
Carbon Disulfide	1.371	1.371		0	20
Methyl tert-butyl Ether	1.036	1.010		-2.51	20
Methyl Acetate	0.234	0.221		-5.56	20
Methylene Chloride	0.512	0.493		-3.71	20
trans-1,2-Dichloroethene	0.504	0.513		1.79	20
Vinyl Acetate	0.647	0.672		3.86	20
1,1-Dichloroethane	0.807	0.815	0.1	0.99	20
Cyclohexane	0.703	0.687		-2.28	20
2-Butanone	0.123	0.120		-2.44	20
Carbon Tetrachloride	0.492	0.508		3.25	20
2,2-Dichloropropane	0.742	0.763		2.83	20
cis-1,2-Dichloroethene	0.575	0.579		0.7	20
Bromochloromethane	0.309	0.315		1.94	20
Chloroform	0.901	0.914		1.44	20
1,1,1-Trichloroethane	0.805	0.806		0.12	20
Methylcyclohexane	0.534	0.552		3.37	20
1,1-Dichloropropene	0.418	0.435		4.07	20
Benzene	1.316	1.374		4.41	20
1,2-Dichloroethane	0.333	0.335		0.6	20
Trichloroethene	0.378	0.379		0.26	20
1,2-Dichloropropane	0.290	0.300		3.45	20
Dibromomethane	0.180	0.182		1.11	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
Bromodichloromethane	0.454	0.470		3.52	20
4-Methyl-2-Pentanone	0.162	0.162		0	20
Methyl methacrylate	0.143	0.145		1.4	20
Toluene	0.840	0.895		6.55	20
t-1,3-Dichloropropene	0.384	0.396		3.13	20
cis-1,3-Dichloropropene	0.460	0.479		4.13	20
1,1,2-Trichloroethane	0.241	0.244		1.25	20
1,3-Dichloropropane	0.381	0.390		2.36	20
2-Chloroethyl Vinyl ether	0.122	0.126		3.28	20
2-Hexanone	0.118	0.120		1.7	20
Dibromochloromethane	0.330	0.332		0.61	20
1,2-Dibromoethane	0.226	0.226		0	20
Tetrachloroethene	0.520	0.519		-0.19	20
Chlorobenzene	1.089	1.108	0.3	1.75	20
1,1,1,2-Tetrachloroethane	0.385	0.393		2.08	20
Hexachloroethane	0.649	0.668		2.93	20
Ethyl Benzene	1.762	1.896		7.61	20
m/p-Xylenes	0.704	0.762		8.24	20
o-Xylene	0.651	0.691		6.14	20
Styrene	1.074	1.161		8.1	20
Bromoform	0.225	0.222	0.1	-1.33	20
Isopropylbenzene	3.344	3.627		8.46	20
1,1,2,2-Tetrachloroethane	0.534	0.526	0.3	-1.5	20
1,2,3-Trichloropropane	0.405	0.415		2.47	20
Bromobenzene	0.867	0.891		2.77	20
n-propylbenzene	3.934	4.292		9.1	20
2-Chlorotoluene	2.283	2.455		7.53	20
1,3,5-Trimethylbenzene	2.717	3.006		10.64	20
4-Chlorotoluene	2.354	2.526		7.31	20
tert-Butylbenzene	2.475	2.656		7.31	20
1,2,4-Trimethylbenzene	2.691	2.972		10.44	20
sec-Butylbenzene	3.569	3.863		8.24	20
p-Isopropyltoluene	3.022	3.297		9.1	20
1,3-Dichlorobenzene	1.707	1.741		1.99	20
1,4-Dichlorobenzene	1.677	1.694		1.01	20
n-Butylbenzene	2.627	2.900		10.39	20
1,2-Dichlorobenzene	1.471	1.494		1.56	20
1,2-Dibromo-3-Chloropropane	0.082	0.077		-6.1	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.842	0.844		0.24	20
Hexachlorobutadiene	0.551	0.564		2.36	20
Naphthalene	1.257	1.234		-1.83	20
1,2,3-Trichlorobenzene	0.703	0.695		-1.14	20
1,2-Dichloroethane-d4	0.427	0.431		0.94	20
Dibromofluoromethane	0.312	0.326		4.49	20
Toluene-d8	1.164	1.254		7.73	20
4-Bromofluorobenzene	0.376	0.410		9.04	20
N-amyl acetate	0.566	0.562		-0.71	20
Methyl Iodide	0.548	0.569		3.83	20
Allyl chloride	0.544	0.558		2.57	20
trans-1,4-Dichloro-2-butene	0.179	0.179		0	20
Methacrylonitrile	0.088	0.086		-2.27	20
Diisopropyl ether	1.212	1.278		5.45	20
1,4-Dioxane	1.842	1.874	0.05	1.74	50

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