284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: CHEM02
Lab Code: ACE
SDG No.: Q2744
Instrument ID: MSVOA_X
Calibration Date/Time: 08/01/2025 10:22
Lab File ID: VX047202.D
Init. Calib. Date(s): 07/21/2025 07/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:47 11:32
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.590		-11.15	20
Chloromethane	0.657	0.535	0.1	-18.57	20
Vinyl Chloride	0.706	0.648		-8.22	20
Ethyl Acetate	0.485	0.477		-1.65	20
Bromomethane	0.384	0.348		-9.38	20
Chloroethane	0.464	0.382		-17.67	20
Trichlorofluoromethane	1.053	0.974		-7.5	20
1,1,2-Trichlorotrifluoroethane	0.634	0.578		-8.83	20
Tert butyl alcohol	0.080	0.069		-13.75	20
1,1-Dichloroethene	0.628	0.571		-9.08	20
Acrolein	0.134	0.132		-1.49	20
Acrylonitrile	0.297	0.308		3.7	20
Acetone	0.250	0.273		9.2	20
Carbon Disulfide	1.818	1.444		-20.57	20
Methyl tert-butyl Ether	1.912	2.076		8.58	20
Methyl Acetate	0.663	0.824		24.28	20
Methylene Chloride	0.686	0.683		-0.44	20
trans-1,2-Dichloroethene	0.643	0.601		-6.53	20
Vinyl Acetate	1.752	1.882		7.42	20
1,1-Dichloroethane	1.214	1.215	0.1	0.08	20
Cyclohexane	1.164	0.965		-17.1	20
2-Butanone	0.363	0.371		2.2	20
Carbon Tetrachloride	0.562	0.496		-11.74	20
2,2-Dichloropropane	0.940	0.915		-2.66	20
cis-1,2-Dichloroethene	0.761	0.764		0.39	20
Bromochloromethane	0.559	0.657		17.53	20
Chloroform	1.236	1.249		1.05	20
1,1,1-Trichloroethane	1.074	1.013		-5.68	20
Methylcyclohexane	0.657	0.545		-17.05	20
1,1-Dichloropropene	0.526	0.437		-16.92	20
Benzene	1.523	1.415		-7.09	20
1,2-Dichloroethane	0.536	0.541		0.93	20
Trichloroethene	0.391	0.346		-11.51	20
1,2-Dichloropropane	0.381	0.375		-1.58	20
Dibromomethane	0.267	0.271		1.5	20
Bromodichloromethane	0.569	0.581		2.11	20
4-Methyl-2-Pentanone	0.449	0.446		-0.67	20
Toluene	0.936	0.871		-6.94	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	0.538	0.551		2.42	20
cis-1,3-Dichloropropene	0.588	0.591		0.51	20
1,1,2-Trichloroethane	0.351	0.359		2.28	20
1,3-Dichloropropane	0.610	0.610		0	20
2-Chloroethyl Vinyl ether	0.289	0.295		2.08	20
2-Hexanone	0.297	0.300		1.01	20
Dibromochloromethane	0.412	0.428		3.88	20
1,2-Dibromoethane	0.367	0.366		-0.27	20
Tetrachloroethene	0.360	0.305		-15.28	20
Chlorobenzene	1.171	1.093	0.3	-6.66	20
1,1,1,2-Tetrachloroethane	0.394	0.390		-1.01	20
Hexachloroethane	0.606	0.567		-6.44	20
Ethyl Benzene	2.048	1.881		-8.15	20
m/p-Xylenes	0.766	0.696		-9.14	20
o-Xylene	0.729	0.691		-5.21	20
Styrene	1.250	1.216		-2.72	20
Bromoform	0.300	0.300	0.1	0	20
Isopropylbenzene	3.945	3.600		-8.74	20
1,1,2,2-Tetrachloroethane	1.127	1.112	0.3	-1.33	20
1,2,3-Trichloropropane	0.925	0.914		-1.19	20
Bromobenzene	0.946	0.891		-5.81	20
n-propylbenzene	4.714	4.274		-9.33	20
2-Chlorotoluene	2.818	2.596		-7.88	20
1,3,5-Trimethylbenzene	3.259	3.005		-7.79	20
4-Chlorotoluene	3.289	3.085		-6.2	20
tert-Butylbenzene	3.271	3.067		-6.24	20
1,2,4-Trimethylbenzene	3.251	3.032		-6.74	20
sec-Butylbenzene	4.087	3.710		-9.22	20
p-Isopropyltoluene	3.389	3.126		-7.76	20
1,3-Dichlorobenzene	1.798	1.665		-7.4	20
1,4-Dichlorobenzene	1.821	1.678		-7.85	20
n-Butylbenzene	3.178	2.897		-8.84	20
1,2-Dichlorobenzene	1.718	1.608		-6.4	20
1,2-Dibromo-3-Chloropropane	0.216	0.218		0.93	20
1,2,4-Trichlorobenzene	1.135	1.108		-2.38	20
Hexachlorobutadiene	0.386	0.396		2.59	20
Naphthalene	3.328	3.344		0.48	20
1,2,3-Trichlorobenzene	1.094	1.072		-2.01	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.623	0.677		8.67	20
Dibromofluoromethane	0.309	0.325		5.18	20
Toluene-d8	1.000	0.928		-7.2	20
4-Bromofluorobenzene	0.431	0.443		2.78	20

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