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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ALLI03

Lab Code: CHEM Case No.: Q1872 SAS No.: Q1872 SDG No.: Q1872

Instrument ID: MSVOA_Y Calibration Date/Time: 04/28/2025 09:59

Lab File ID: VY022021.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.366		-14.09	20
Chloromethane	0.607	0.548	0.1	-9.72	20
Vinyl Chloride	0.745	0.678		-8.99	20
Ethyl Acetate	0.159	0.157		-1.26	20
Isopropyl Acetate	0.306	0.295		-3.6	20
Bromomethane	0.642	0.537		-16.35	20
Chloroethane	0.508	0.463		-8.86	20
Tetrahydrofuran	0.068	0.067		-1.47	20
Trichlorofluoromethane	0.983	0.891		-9.36	20
1,1,2-Trichlorotrifluoroethane	0.533	0.478		-10.32	20
Tert butyl alcohol	0.025	0.023		-8	20
Diethyl Ether	0.256	0.223		-12.89	20
1,1-Dichloroethene	0.497	0.442		-11.07	20
Acrolein	0.046	0.025		-45.65	20
Acrylonitrile	0.094	0.086		-8.51	20
Acetone	0.070	0.058		-17.14	20
Carbon Disulfide	1.585	1.429		-9.84	20
Methyl tert-butyl Ether	1.113	1.036		-6.92	20
Methyl Acetate	0.216	0.238		10.19	20
Methylene Chloride	0.584	0.493		-15.58	20
trans-1,2-Dichloroethene	0.557	0.513		-7.9	20
Vinyl Acetate	0.694	0.637		-8.21	20
1,1-Dichloroethane	0.893	0.812	0.1	-9.07	20
Cyclohexane	0.763	0.668		-12.45	20
2-Butanone	0.105	0.096		-8.57	20
Carbon Tetrachloride	0.530	0.533		0.57	20
2,2-Dichloropropane	0.782	0.716		-8.44	20
cis-1,2-Dichloroethene	0.622	0.571		-8.2	20
Bromochloromethane	0.347	0.325		-6.34	20
Chloroform	0.990	0.923		-6.77	20
1,1,1-Trichloroethane	0.896	0.830		-7.37	20
Methylcyclohexane	0.558	0.536		-3.94	20
1,1-Dichloropropene	0.444	0.437		-1.58	20
Benzene	1.387	1.363		-1.73	20
1,2-Dichloroethane	0.343	0.340		-0.88	20
Trichloroethene	0.384	0.372		-3.13	20
1,2-Dichloropropane	0.307	0.301		-1.95	20
Dibromomethane	0.192	0.192		0	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	0.480	0.481		0.21	20
4-Methyl-2-Pentanone	0.160	0.169		5.63	20
Methyl methacrylate	0.141	0.144		2.13	20
Toluene	0.898	0.912		1.56	20
t-1,3-Dichloropropene	0.411	0.414		0.73	20
cis-1,3-Dichloropropene	0.489	0.489		0	20
1,1,2-Trichloroethane	0.256	0.263		2.73	20
1,3-Dichloropropane	0.411	0.414		0.73	20
2-Chloroethyl Vinyl ether	0.143	0.157		9.79	20
2-Hexanone	0.106	0.113		6.6	20
Dibromochloromethane	0.355	0.367		3.38	20
1,2-Dibromoethane	0.242	0.251		3.72	20
Tetrachloroethene	0.472	0.461		-2.33	20
Chlorobenzene	1.118	1.077	0.3	-3.67	20
1,1,1,2-Tetrachloroethane	0.394	0.392		-0.51	20
Hexachloroethane	0.674	0.626		-7.12	20
Ethyl Benzene	1.829	1.803		-1.42	20
m/p-Xylenes	0.728	0.739		1.51	20
o-Xylene	0.671	0.674		0.45	20
Styrene	1.126	1.164		3.38	20
Bromoform	0.229	0.236	0.1	3.06	20
Isopropylbenzene	3.341	3.228		-3.38	20
1,1,2,2-Tetrachloroethane	0.563	0.540	0.3	-4.09	20
1,2,3-Trichloropropane	0.428	0.410		-4.21	20
Bromobenzene	0.844	0.811		-3.91	20
n-propylbenzene	3.978	3.852		-3.17	20
2-Chlorotoluene	2.314	2.191		-5.32	20
1,3,5-Trimethylbenzene	2.752	2.721		-1.13	20
4-Chlorotoluene	2.405	2.314		-3.78	20
tert-Butylbenzene	2.469	2.368		-4.09	20
1,2,4-Trimethylbenzene	2.753	2.736		-0.62	20
sec-Butylbenzene	3.612	3.492		-3.32	20
p-Isopropyltoluene	3.067	3.013		-1.76	20
1,3-Dichlorobenzene	1.714	1.651		-3.68	20
1,4-Dichlorobenzene	1.698	1.606		-5.42	20
n-Butylbenzene	2.742	2.598		-5.25	20
1,2-Dichlorobenzene	1.495	1.436		-3.95	20
1,2-Dibromo-3-Chloropropane	0.090	0.086		-4.44	20

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COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2,4-Trichlorobenzene	0.847	0.815		-3.78	20
Hexachlorobutadiene	0.521	0.499		-4.22	20
Naphthalene	1.408	1.399		-0.64	20
1,2,3-Trichlorobenzene	0.731	0.723		-1.09	20
1,2-Dichloroethane-d4	0.462	0.422		-8.66	20
Dibromofluoromethane	0.330	0.326		-1.21	20
Toluene-d8	1.245	1.244		-0.08	20
4-Bromofluorobenzene	0.419	0.422		0.72	20
N-amyl acetate	0.574	0.524		-8.71	20
Methyl Iodide	0.617	0.580		-6	20
Allyl chloride	0.579	0.516		-10.88	20
trans-1,4-Dichloro-2-butene	0.178	0.164		-7.86	20
Methacrylonitrile	0.087	0.088		1.15	20
Diisopropyl ether	1.288	1.218		-5.43	20
1,4-Dioxane	2.047	2.027	0.05	-0.98	50

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