

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1172 SAS No.: Q1172 SDG No.: Q1172

Instrument ID: MSVOA\_U Calibration Date/Time: 02/13/2025 08:36

Lab File ID: VU063262.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:59 15:33

GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND                              | RRF   | RRF010 | MIN<br>RRF | %D     | MAX%D |
|---------------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane               | 0.325 | 0.324  |            | -0.31  | 30    |
| Chloromethane                         | 0.374 | 0.353  |            | -5.61  | 30    |
| Vinyl Chloride                        | 0.370 | 0.368  |            | -0.54  | 30    |
| Bromomethane                          | 0.171 | 0.203  |            | 18.71  | 30    |
| Chloroethane                          | 0.233 | 0.221  |            | -5.15  | 30    |
| Tetrahydrofuran                       | 0.047 | 0.048  |            | 2.13   | 30    |
| Trichlorofluoromethane                | 0.439 | 0.439  |            | 0      | 30    |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | 0.249 | 0.259  |            | 4.02   | 30    |
| tert-Butyl Alcohol                    | 0.026 | 0.022  |            | -15.39 | 30    |
| Diethyl Ether                         | 0.218 | 0.213  |            | -2.29  | 30    |
| 1,1-Dichloroethene                    | 0.254 | 0.256  |            | 0.79   | 30    |
| Acrylonitrile                         | 0.059 | 0.063  |            | 6.78   | 30    |
| Acetone                               | 0.045 | 0.046  |            | 2.22   | 30    |
| Carbon Disulfide                      | 0.887 | 0.874  |            | -1.47  | 30    |
| Methyl tert-Butyl Ether               | 0.634 | 0.673  |            | 6.15   | 30    |
| Methyl acrylate                       | 0.148 | 0.161  |            | 8.78   | 30    |
| Methylene Chloride                    | 0.313 | 0.316  |            | 0.96   | 30    |
| trans-1,2-Dichloroethene              | 0.290 | 0.297  |            | 2.41   | 30    |
| 1,1-Dichloroethane                    | 0.546 | 0.553  |            | 1.28   | 30    |
| Cyclohexane                           | 0.439 | 0.482  |            | 9.8    | 30    |
| 2-Butanone                            | 0.072 | 0.077  |            | 6.94   | 30    |
| Carbon Tetrachloride                  | 0.383 | 0.402  |            | 4.96   | 30    |
| 2,2-Dichloropropane                   | 0.426 | 0.447  |            | 4.93   | 30    |
| cis-1,2-Dichloroethene                | 0.313 | 0.334  |            | 6.71   | 30    |
| Bromochloromethane                    | 0.137 | 0.141  |            | 2.92   | 30    |
| Chloroform                            | 0.551 | 0.563  |            | 2.18   | 30    |
| 1,1,1-Trichloroethane                 | 0.446 | 0.463  |            | 3.81   | 30    |
| Methylcyclohexane                     | 0.435 | 0.500  |            | 14.94  | 30    |
| 1,1-Dichloropropene                   | 0.400 | 0.435  |            | 8.75   | 30    |
| Propionitrile                         | 0.022 | 0.024  |            | 9.09   | 30    |
| Benzene                               | 1.229 | 1.280  |            | 4.15   | 30    |
| 1,2-Dichloroethane                    | 0.355 | 0.360  |            | 1.41   | 30    |
| Trichloroethene                       | 0.292 | 0.306  |            | 4.8    | 30    |
| 1,2-Dichloropropane                   | 0.322 | 0.332  |            | 3.11   | 30    |
| 1-Chlorobutane                        | 0.547 | 0.590  |            | 7.86   | 30    |
| Dibromomethane                        | 0.163 | 0.165  |            | 1.23   | 30    |
| Bromodichloromethane                  | 0.379 | 0.404  |            | 6.6    | 30    |
| 4-Methyl-2-Pentanone                  | 0.171 | 0.188  |            | 9.94   | 30    |

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   | RRF010 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Toluene                     | 0.707 | 0.782  |            | 10.61 | 30    |
| t-1,3-Dichloropropene       | 0.347 | 0.397  |            | 14.41 | 30    |
| cis-1,3-Dichloropropene     | 0.429 | 0.470  |            | 9.56  | 30    |
| 1,1,2-Trichloroethane       | 0.220 | 0.229  |            | 4.09  | 30    |
| 1,3-Dichloropropane         | 0.390 | 0.407  |            | 4.36  | 30    |
| 2-Hexanone                  | 0.117 | 0.127  |            | 8.55  | 30    |
| Dibromochloromethane        | 0.253 | 0.274  |            | 8.3   | 30    |
| 1,2-Dibromoethane           | 0.206 | 0.216  |            | 4.85  | 30    |
| Tetrachloroethene           | 0.241 | 0.256  |            | 6.22  | 30    |
| Chlorobenzene               | 0.746 | 0.807  |            | 8.18  | 30    |
| 1,1,1,2-Tetrachloroethane   | 0.268 | 0.287  |            | 7.09  | 30    |
| Hexachloroethane            | 0.212 | 0.232  |            | 9.43  | 30    |
| Ethyl Benzene               | 1.286 | 1.468  |            | 14.15 | 30    |
| m/p-Xylenes                 | 0.480 | 0.564  |            | 17.5  | 30    |
| o-Xylene                    | 0.470 | 0.533  |            | 13.4  | 30    |
| Styrene                     | 0.748 | 0.890  |            | 18.98 | 30    |
| Bromoform                   | 0.143 | 0.156  |            | 9.09  | 30    |
| Isopropylbenzene            | 1.106 | 1.283  |            | 16    | 30    |
| 1,1,2,2-Tetrachloroethane   | 0.296 | 0.310  |            | 4.73  | 30    |
| 1,2,3-Trichloropropane      | 0.222 | 0.228  |            | 2.7   | 30    |
| Bromobenzene                | 0.298 | 0.324  |            | 8.73  | 30    |
| n-propylbenzene             | 0.317 | 0.380  |            | 19.87 | 30    |
| 2-Chlorotoluene             | 0.292 | 0.337  |            | 15.41 | 30    |
| 1,3,5-Trimethylbenzene      | 1.024 | 1.220  |            | 19.14 | 30    |
| 4-Chlorotoluene             | 0.299 | 0.344  |            | 15.05 | 30    |
| tert-Butylbenzene           | 1.036 | 1.174  |            | 13.32 | 30    |
| 1,2,4-Trimethylbenzene      | 1.016 | 1.222  |            | 20.28 | 30    |
| sec-Butylbenzene            | 1.319 | 1.556  |            | 17.97 | 30    |
| p-Isopropyltoluene          | 1.041 | 1.256  |            | 20.65 | 30    |
| 1,3-Dichlorobenzene         | 0.578 | 0.642  |            | 11.07 | 30    |
| 1,4-Dichlorobenzene         | 0.565 | 0.629  |            | 11.33 | 30    |
| n-Butylbenzene              | 0.933 | 1.167  |            | 25.08 | 30    |
| 1,2-Dichlorobenzene         | 0.555 | 0.604  |            | 8.83  | 30    |
| 1,2-Dibromo-3-Chloropropane | 0.042 | 0.044  |            | 4.76  | 30    |
| 1,2,4-Trichlorobenzene      | 0.271 | 0.330  |            | 21.77 | 30    |
| Hexachlorobutadiene         | 0.194 | 0.220  |            | 13.4  | 30    |
| Naphthalene                 | 0.436 | 0.505  |            | 15.83 | 30    |
| 1,2,3-Trichlorobenzene      | 0.265 | 0.308  |            | 16.23 | 30    |

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|------------------------|-------|--------|------------|-------|-------|
| 1,2-Dichlorobenzene-d4 | 0.343 | 0.363  |            | 5.83  | 30    |
| 4-Bromofluorobenzene   | 0.330 | 0.425  |            | 28.79 | 30    |
| Iodomethane            | 0.399 | 0.414  |            | 3.76  | 30    |
| Allyl Chloride         | 0.364 | 0.374  |            | 2.75  | 30    |
| Methacrylonitrile      | 0.080 | 0.095  |            | 18.75 | 30    |
| Methyl methacrylate    | 0.137 | 0.157  |            | 14.6  | 30    |

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