

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WEST04  
 Lab Code: CHEM Case No.: Q1539 SAS No.: Q1539 SDG No.: Q1539  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/28/2025 02/28/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   |        | RRF001 = VX045068.D |        | RRF005 = VX045069.D |        | RRF020 = VX045070.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VX045071.D |        | RRF100 = VX045072.D |        | RRF150 = VX045073.D |       |       |  |
| COMPOUND                       | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.624  | 0.646               | 0.646  | 0.627               | 0.626  | 0.607               | 0.629 | 2.4   |  |
| Chloromethane                  | 0.755  | 0.821               | 0.828  | 0.753               | 0.721  | 0.744               | 0.770 | 5.7   |  |
| Vinyl Chloride                 | 0.773  | 0.755               | 0.774  | 0.761               | 0.765  | 0.758               | 0.764 | 1     |  |
| Bromomethane                   |        | 0.337               | 0.298  | 0.292               | 0.284  | 0.291               | 0.300 | 7     |  |
| Chloroethane                   | 0.373  | 0.421               | 0.366  | 0.373               | 0.297  | 0.286               | 0.352 | 14.5  |  |
| Trichlorofluoromethane         | 0.978  | 1.061               | 1.050  | 1.050               | 0.982  | 0.948               | 1.012 | 4.7   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.526  | 0.613               | 0.595  | 0.594               | 0.596  | 0.563               | 0.581 | 5.4   |  |
| 1,1-Dichloroethene             | 0.609  | 0.620               | 0.612  | 0.623               | 0.620  | 0.603               | 0.614 | 1.3   |  |
| Acetone                        | 0.414  | 0.363               | 0.384  | 0.351               | 0.345  | 0.356               | 0.369 | 7     |  |
| Carbon Disulfide               | 1.584  | 1.582               | 1.587  | 1.660               | 1.708  | 1.698               | 1.636 | 3.6   |  |
| Methyl tert-butyl Ether        | 1.955  | 1.913               | 2.127  | 2.083               | 2.132  | 2.158               | 2.061 | 5     |  |
| Methyl Acetate                 | 0.954  | 0.835               | 0.903  | 0.867               | 0.869  | 0.899               | 0.888 | 4.6   |  |
| Methylene Chloride             | 0.806  | 0.730               | 0.752  | 0.698               | 0.694  | 0.706               | 0.731 | 5.8   |  |
| trans-1,2-Dichloroethene       | 0.540  | 0.619               | 0.603  | 0.631               | 0.634  | 0.616               | 0.607 | 5.7   |  |
| 1,1-Dichloroethane             | 1.200  | 1.223               | 1.280  | 1.242               | 1.270  | 1.264               | 1.247 | 2.5   |  |
| Cyclohexane                    |        | 1.021               | 1.087  | 1.108               | 1.142  | 1.052               | 1.082 | 4.3   |  |
| 2-Butanone                     | 0.476  | 0.545               | 0.610  | 0.579               | 0.553  | 0.570               | 0.555 | 8.1   |  |
| Carbon Tetrachloride           | 0.463  | 0.463               | 0.447  | 0.468               | 0.489  | 0.463               | 0.465 | 3     |  |
| cis-1,2-Dichloroethene         | 0.687  | 0.746               | 0.765  | 0.762               | 0.767  | 0.769               | 0.749 | 4.2   |  |
| Bromochloromethane             | 0.557  | 0.633               | 0.613  | 0.603               | 0.563  | 0.596               | 0.594 | 5     |  |
| Chloroform                     | 1.206  | 1.247               | 1.278  | 1.246               | 1.230  | 1.225               | 1.239 | 2     |  |
| 1,1,1-Trichloroethane          | 0.908  | 0.992               | 1.009  | 1.024               | 1.044  | 1.025               | 1.000 | 4.8   |  |
| Methylcyclohexane              | 0.464  | 0.530               | 0.560  | 0.585               | 0.607  | 0.550               | 0.549 | 9.1   |  |
| Benzene                        | 1.321  | 1.459               | 1.491  | 1.496               | 1.497  | 1.424               | 1.448 | 4.7   |  |
| 1,2-Dichloroethane             | 0.487  | 0.525               | 0.545  | 0.528               | 0.524  | 0.520               | 0.521 | 3.6   |  |
| Trichloroethene                | 0.319  | 0.351               | 0.339  | 0.341               | 0.354  | 0.336               | 0.340 | 3.7   |  |
| 1,2-Dichloropropane            | 0.354  | 0.378               | 0.382  | 0.371               | 0.376  | 0.373               | 0.372 | 2.7   |  |
| Bromodichloromethane           | 0.478  | 0.503               | 0.536  | 0.524               | 0.528  | 0.528               | 0.516 | 4.2   |  |
| 4-Methyl-2-Pentanone           | 0.535  | 0.570               | 0.647  | 0.610               | 0.579  | 0.579               | 0.587 | 6.5   |  |
| Toluene                        | 0.716  | 0.872               | 0.892  | 0.898               | 0.874  | 0.845               | 0.849 | 8     |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
 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                    | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| t-1,3-Dichloropropene       | 0.304  | 0.389               | 0.436  | 0.469               | 0.490  | 0.502               | 0.431 | 17.3  |  |
| cis-1,3-Dichloropropene     | 0.404  | 0.463               | 0.509  | 0.535               | 0.555  | 0.553               | 0.503 | 11.8  |  |
| 1,1,2-Trichloroethane       | 0.346  | 0.348               | 0.371  | 0.356               | 0.341  | 0.336               | 0.350 | 3.6   |  |
| 2-Hexanone                  | 0.349  | 0.412               | 0.476  | 0.448               | 0.431  | 0.436               | 0.425 | 10.1  |  |
| Dibromochloromethane        | 0.305  | 0.349               | 0.390  | 0.384               | 0.385  | 0.380               | 0.366 | 9     |  |
| 1,2-Dibromoethane           | 0.311  | 0.352               | 0.371  | 0.356               | 0.355  | 0.350               | 0.349 | 5.7   |  |
| Tetrachloroethene           | 0.315  | 0.326               | 0.319  | 0.324               | 0.329  | 0.309               | 0.320 | 2.3   |  |
| Chlorobenzene               | 0.968  | 1.054               | 1.090  | 1.092               | 1.100  | 1.045               | 1.058 | 4.7   |  |
| Ethyl Benzene               | 1.566  | 1.794               | 1.889  | 1.952               | 1.972  | 1.888               | 1.843 | 8.1   |  |
| m/p-Xylenes                 | 0.555  | 0.672               | 0.711  | 0.724               | 0.715  | 0.673               | 0.675 | 9.3   |  |
| o-Xylene                    | 0.609  | 0.689               | 0.702  | 0.706               | 0.707  | 0.670               | 0.681 | 5.5   |  |
| Styrene                     | 0.879  | 1.060               | 1.170  | 1.181               | 1.183  | 1.134               | 1.101 | 10.7  |  |
| Bromoform                   | 0.209  | 0.234               | 0.276  | 0.276               | 0.300  | 0.300               | 0.266 | 13.9  |  |
| Isopropylbenzene            | 3.397  | 4.034               | 3.999  | 4.135               | 4.006  | 3.845               | 3.903 | 6.8   |  |
| 1,1,2,2-Tetrachloroethane   | 1.395  | 1.479               | 1.513  | 1.419               | 1.391  | 1.396               | 1.432 | 3.6   |  |
| 1,3-Dichlorobenzene         | 1.502  | 1.652               | 1.710  | 1.668               | 1.675  | 1.649               | 1.643 | 4.4   |  |
| 1,4-Dichlorobenzene         | 1.605  | 1.702               | 1.665  | 1.687               | 1.669  | 1.643               | 1.662 | 2.1   |  |
| 1,2-Dichlorobenzene         | 1.479  | 1.695               | 1.735  | 1.668               | 1.687  | 1.622               | 1.648 | 5.5   |  |
| 1,2-Dibromo-3-Chloropropane | 0.237  | 0.243               | 0.285  | 0.289               | 0.300  | 0.320               | 0.279 | 11.6  |  |
| 1,2,4-Trichlorobenzene      | 0.668  | 0.821               | 0.978  | 1.009               | 1.074  | 1.080               | 0.938 | 17.3  |  |
| 1,2,3-Trichlorobenzene      | 0.747  | 0.897               | 1.032  | 1.059               | 1.107  | 1.096               | 0.990 | 14.2  |  |
| 1,2-Dichloroethane-d4       |        | 0.836               | 0.784  | 0.757               | 0.783  | 0.817               | 0.795 | 3.9   |  |
| Dibromofluoromethane        |        | 0.329               | 0.335  | 0.329               | 0.340  | 0.338               | 0.334 | 1.5   |  |
| Toluene-d8                  |        | 1.237               | 1.191  | 1.210               | 1.219  | 1.203               | 1.212 | 1.4   |  |
| 4-Bromofluorobenzene        |        | 0.383               | 0.393  | 0.402               | 0.410  | 0.421               | 0.402 | 3.7   |  |

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