

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

|                                                |                                                          |
|------------------------------------------------|----------------------------------------------------------|
| Lab Name: <u>Alliance</u>                      | Contract: <u>GARD04</u>                                  |
| Lab Code: <u>ACE</u>                           | SDG No.: <u>Q3078</u>                                    |
| Instrument ID: <u>MSVOA_N</u>                  | Calibration Date(s): <u>08/21/2025</u> <u>08/21/2025</u> |
| Heated Purge: (Y/N) <u>N</u>                   | Calibration Time(s): <u>12:09</u> <u>14:44</u>           |
| GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm) |                                                          |

| LAB FILE ID:                   |        | RRF001 = VN087619.D |        | RRF005 = VN087620.D |        | RRF020 = VN087621.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VN087622.D |        | RRF100 = VN087623.D |        | RRF150 = VN087624.D |       |       |  |
| COMPOUND                       | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.707  | 0.579               | 0.606  | 0.810               | 0.777  | 0.782               | 0.710 | 13.7  |  |
| Chloromethane                  | 0.739  | 0.637               | 0.710  | 0.795               | 0.752  | 0.747               | 0.730 | 7.3   |  |
| Vinyl Chloride                 | 0.909  | 0.739               | 0.832  | 0.903               | 0.847  | 0.846               | 0.846 | 7.3   |  |
| Bromomethane                   |        | 0.388               | 0.393  | 0.448               | 0.466  | 0.488               | 0.437 | 10.2  |  |
| Chloroethane                   | 0.727  | 0.528               | 0.599  | 0.603               | 0.558  | 0.554               | 0.595 | 11.9  |  |
| Trichlorofluoromethane         | 1.323  | 1.139               | 1.242  | 1.274               | 1.227  | 1.233               | 1.240 | 4.9   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.879  | 0.648               | 0.677  | 0.695               | 0.654  | 0.656               | 0.701 | 12.6  |  |
| 1,1-Dichloroethene             | 0.892  | 0.649               | 0.730  | 0.700               | 0.667  | 0.687               | 0.721 | 12.3  |  |
| Acetone                        | 0.633  | 0.634               | 0.584  | 0.522               | 0.484  | 0.489               | 0.558 | 12.3  |  |
| Carbon Disulfide               | 2.272  | 1.746               | 1.970  | 2.003               | 1.937  | 1.979               | 1.985 | 8.5   |  |
| Methyl tert-butyl Ether        | 2.859  | 2.508               | 2.740  | 2.733               | 2.643  | 2.742               | 2.704 | 4.4   |  |
| Methyl Acetate                 | 1.450  | 1.043               | 1.097  | 1.157               | 1.117  | 1.141               | 1.168 | 12.3  |  |
| Methylene Chloride             | 1.494  | 0.916               | 0.875  | 0.823               | 0.779  | 0.799               | 0.948 | 28.8  |  |
| trans-1,2-Dichloroethene       | 0.952  | 0.734               | 0.768  | 0.750               | 0.737  | 0.745               | 0.781 | 10.8  |  |
| 1,1-Dichloroethane             | 1.798  | 1.500               | 1.549  | 1.501               | 1.454  | 1.471               | 1.546 | 8.3   |  |
| Cyclohexane                    |        | 1.490               | 1.310  | 1.234               | 1.201  | 1.207               | 1.289 | 9.4   |  |
| 2-Butanone                     | 0.783  | 0.722               | 0.757  | 0.732               | 0.700  | 0.707               | 0.734 | 4.3   |  |
| Carbon Tetrachloride           | 0.571  | 0.509               | 0.568  | 0.542               | 0.549  | 0.542               | 0.547 | 4.1   |  |
| cis-1,2-Dichloroethene         | 0.997  | 0.916               | 0.937  | 0.941               | 0.908  | 0.905               | 0.934 | 3.7   |  |
| Bromochloromethane             | 0.800  | 0.781               | 0.722  | 0.701               | 0.748  | 0.731               | 0.747 | 5     |  |
| Chloroform                     | 1.677  | 1.535               | 1.629  | 1.579               | 1.519  | 1.528               | 1.578 | 4     |  |
| 1,1,1-Trichloroethane          | 1.510  | 1.297               | 1.359  | 1.303               | 1.265  | 1.288               | 1.337 | 6.8   |  |
| Methylcyclohexane              | 0.686  | 0.580               | 0.610  | 0.590               | 0.597  | 0.596               | 0.610 | 6.3   |  |
| Benzene                        | 1.853  | 1.637               | 1.727  | 1.684               | 1.639  | 1.652               | 1.699 | 4.9   |  |
| 1,2-Dichloroethane             | 0.714  | 0.627               | 0.675  | 0.650               | 0.624  | 0.626               | 0.653 | 5.5   |  |
| Trichloroethene                | 0.435  | 0.387               | 0.390  | 0.377               | 0.367  | 0.370               | 0.388 | 6.5   |  |
| 1,2-Dichloropropane            | 0.544  | 0.435               | 0.447  | 0.433               | 0.415  | 0.412               | 0.448 | 11    |  |
| Bromodichloromethane           | 0.686  | 0.649               | 0.667  | 0.638               | 0.638  | 0.639               | 0.653 | 3     |  |
| 4-Methyl-2-Pentanone           | 0.701  | 0.675               | 0.744  | 0.736               | 0.718  | 0.704               | 0.713 | 3.5   |  |
| Toluene                        | 1.148  | 0.987               | 1.062  | 1.050               | 1.037  | 1.033               | 1.053 | 5     |  |

\* 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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|---------------------|-------------------------------------|----------------------|-------------------------------------|
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| Lab Code:           | <u>ACE</u>                          | SDG No.:             | <u>Q3078</u>                        |
| Instrument ID:      | <u>MSVOA_N</u>                      | Calibration Date(s): | <u>08/21/2025</u> <u>08/21/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>                            | Calibration Time(s): | <u>12:09</u> <u>14:44</u>           |
| GC Column:          | <u>RXI-624</u> ID: <u>0.25</u> (mm) |                      |                                     |

|                             |        |                     |        |                     |        |                     |       |       |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                |        | RRF001 = VN087619.D |        | RRF005 = VN087620.D |        | RRF020 = VN087621.D |       |       |
|                             |        | RRF050 = VN087622.D |        | RRF100 = VN087623.D |        | RRF150 = VN087624.D |       |       |
| COMPOUND                    | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |
| t-1,3-Dichloropropene       | 0.620  | 0.628               | 0.691  | 0.703               | 0.699  | 0.715               | 0.676 | 6.1   |
| cis-1,3-Dichloropropene     | 0.717  | 0.640               | 0.712  | 0.718               | 0.714  | 0.710               | 0.702 | 4.3   |
| 1,1,2-Trichloroethane       | 0.439  | 0.383               | 0.417  | 0.408               | 0.400  | 0.397               | 0.407 | 4.7   |
| 2-Hexanone                  | 0.295  | 0.390               | 0.493  | 0.510               | 0.508  | 0.507               | 0.451 | 19.8  |
| Dibromochloromethane        | 0.535  | 0.440               | 0.458  | 0.466               | 0.465  | 0.468               | 0.472 | 6.8   |
| 1,2-Dibromoethane           | 0.412  | 0.433               | 0.444  | 0.432               | 0.429  | 0.427               | 0.430 | 2.4   |
| Tetrachloroethene           | 0.447  | 0.353               | 0.340  | 0.313               | 0.315  | 0.313               | 0.347 | 14.9  |
| Chlorobenzene               | 1.408  | 1.164               | 1.253  | 1.210               | 1.216  | 1.212               | 1.244 | 6.9   |
| Ethyl Benzene               | 2.232  | 1.993               | 2.224  | 2.144               | 2.152  | 2.178               | 2.154 | 4     |
| m/p-Xylenes                 | 0.759  | 0.735               | 0.811  | 0.812               | 0.808  | 0.814               | 0.790 | 4.3   |
| o-Xylene                    | 0.777  | 0.707               | 0.794  | 0.796               | 0.788  | 0.784               | 0.774 | 4.3   |
| Styrene                     | 1.142  | 1.086               | 1.391  | 1.382               | 1.386  | 1.393               | 1.297 | 11    |
| Bromoform                   | 0.303  | 0.285               | 0.320  | 0.320               | 0.336  | 0.336               | 0.317 | 6.3   |
| Isopropylbenzene            | 4.328  | 3.674               | 4.096  | 4.026               | 3.998  | 4.120               | 4.040 | 5.3   |
| 1,1,2,2-Tetrachloroethane   | 1.488  | 1.381               | 1.421  | 1.363               | 1.322  | 1.371               | 1.391 | 4.1   |
| 1,3-Dichlorobenzene         | 2.087  | 1.770               | 1.940  | 1.827               | 1.806  | 1.826               | 1.876 | 6.3   |
| 1,4-Dichlorobenzene         | 2.348  | 1.884               | 1.956  | 1.867               | 1.818  | 1.841               | 1.952 | 10.2  |
| 1,2-Dichlorobenzene         | 1.942  | 1.662               | 1.853  | 1.755               | 1.723  | 1.743               | 1.780 | 5.7   |
| 1,2-Dibromo-3-Chloropropane | 0.370  | 0.323               | 0.329  | 0.317               | 0.313  | 0.330               | 0.330 | 6.2   |
| 1,2,4-Trichlorobenzene      | 1.192  | 0.995               | 1.081  | 1.026               | 1.040  | 1.079               | 1.069 | 6.4   |
| 1,2,3-Trichlorobenzene      | 1.140  | 0.972               | 1.059  | 1.006               | 1.019  | 1.072               | 1.045 | 5.7   |
| 1,2-Dichloroethane-d4       |        | 1.025               | 1.016  | 0.959               | 1.035  | 1.089               | 1.024 | 4.5   |
| Dibromofluoromethane        |        | 0.369               | 0.344  | 0.334               | 0.373  | 0.386               | 0.361 | 6     |
| Toluene-d8                  |        | 1.384               | 1.266  | 1.223               | 1.408  | 1.475               | 1.351 | 7.7   |
| 4-Bromofluorobenzene        |        | 0.446               | 0.454  | 0.450               | 0.514  | 0.540               | 0.481 | 9     |

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