



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01

Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645

Instrument ID: MSVOA\_D Calibration Date/Time: 07/18/2023 09:13

Lab File ID: VD076766.D Init. Calib. Date(s): 07/14/2023 07/14/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:50 15:57

GC Column: RTX-VMS ID: 0.18 (mm)

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.391 | 0.378  |            | -3.33  | 20    |
| Chloromethane                  | 0.674 | 0.569  | 0.1        | -15.58 | 20    |
| Vinyl Chloride                 | 0.899 | 0.834  |            | -7.23  | 20    |
| Bromomethane                   | 0.740 | 0.625  |            | -15.54 | 20    |
| Chloroethane                   | 0.679 | 0.599  |            | -11.78 | 20    |
| Trichlorofluoromethane         | 0.800 | 0.786  |            | -1.75  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.526 | 0.527  |            | 0.19   | 20    |
| 1,1-Dichloroethene             | 0.494 | 0.459  |            | -7.09  | 20    |
| Acetone                        | 0.119 | 0.120  |            | 0.84   | 20    |
| Carbon Disulfide               | 1.154 | 1.037  |            | -10.14 | 20    |
| Methyl tert-butyl Ether        | 1.325 | 1.139  |            | -14.04 | 20    |
| Methyl Acetate                 | 0.447 | 0.386  |            | -13.65 | 20    |
| Methylene Chloride             | 0.984 | 0.628  |            | -36.18 | 20    |
| trans-1,2-Dichloroethene       | 0.574 | 0.510  |            | -11.15 | 20    |
| 1,1-Dichloroethane             | 1.036 | 0.936  | 0.1        | -9.65  | 20    |
| Cyclohexane                    | 0.733 | 0.685  |            | -6.55  | 20    |
| 2-Butanone                     | 0.159 | 0.148  |            | -6.92  | 20    |
| Carbon Tetrachloride           | 0.393 | 0.415  |            | 5.6    | 20    |
| cis-1,2-Dichloroethene         | 0.708 | 0.643  |            | -9.18  | 20    |
| Bromochloromethane             | 0.259 | 0.215  |            | -16.99 | 20    |
| Chloroform                     | 1.135 | 1.047  |            | -7.75  | 20    |
| 1,1,1-Trichloroethane          | 0.916 | 0.900  |            | -1.75  | 20    |
| Methylcyclohexane              | 0.474 | 0.487  |            | 2.74   | 20    |
| Benzene                        | 1.295 | 1.232  |            | -4.86  | 20    |
| 1,2-Dichloroethane             | 0.337 | 0.322  |            | -4.45  | 20    |
| Trichloroethene                | 0.353 | 0.338  |            | -4.25  | 20    |
| 1,2-Dichloropropane            | 0.334 | 0.318  |            | -4.79  | 20    |
| Bromodichloromethane           | 0.491 | 0.458  |            | -6.72  | 20    |
| 4-Methyl-2-Pentanone           | 0.191 | 0.176  |            | -7.85  | 20    |
| Toluene                        | 0.851 | 0.806  |            | -5.29  | 20    |
| t-1,3-Dichloropropene          | 0.456 | 0.425  |            | -6.8   | 20    |
| cis-1,3-Dichloropropene        | 0.537 | 0.492  |            | -8.38  | 20    |
| 1,1,2-Trichloroethane          | 0.286 | 0.264  |            | -7.69  | 20    |
| 2-Hexanone                     | 0.136 | 0.129  |            | -5.15  | 20    |
| Dibromochloromethane           | 0.332 | 0.328  |            | -1.21  | 20    |
| 1,2-Dibromoethane              | 0.265 | 0.239  |            | -9.81  | 20    |
| Tetrachloroethene              | 0.285 | 0.304  |            | 6.67   | 20    |
| Chlorobenzene                  | 1.006 | 0.990  | 0.3        | -1.59  | 20    |
| Ethyl Benzene                  | 1.766 | 1.786  |            | 1.13   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LABE01  
Lab Code: CHEM Case No.: 03645 SAS No.: 03645 SDG No.: 03645  
Instrument ID: MSVOA\_D Calibration Date/Time: 07/18/2023 09:13  
Lab File ID: VD076766.D Init. Calib. Date(s): 07/14/2023 07/14/2023  
Heated Purge: (Y/N) Y Init. Calib. Time(s): 12:50 15:57  
GC Column: RTX-VMS ID: 0.18 (mm)

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|-----------------------------|-------|--------|------------|--------|-------|
| m/p-Xylenes                 | 0.678 | 0.693  |            | 2.21   | 20    |
| o-Xylene                    | 0.656 | 0.661  |            | 0.76   | 20    |
| Styrene                     | 1.148 | 1.153  |            | 0.44   | 20    |
| Bromoform                   | 0.205 | 0.208  | 0.1        | 1.46   | 20    |
| Isopropylbenzene            | 3.628 | 3.709  |            | 2.23   | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.779 | 0.744  | 0.3        | -4.49  | 20    |
| n-propylbenzene             | 4.398 | 4.586  |            | 4.28   | 20    |
| 1,3,5-Trimethylbenzene      | 2.933 | 3.010  |            | 2.63   | 20    |
| tert-Butylbenzene           | 2.583 | 2.727  |            | 5.57   | 20    |
| 1,2,4-Trimethylbenzene      | 2.997 | 3.007  |            | 0.33   | 20    |
| sec-Butylbenzene            | 3.946 | 4.229  |            | 7.17   | 20    |
| p-Isopropyltoluene          | 3.259 | 3.439  |            | 5.52   | 20    |
| 1,3-Dichlorobenzene         | 1.722 | 1.726  |            | 0.23   | 20    |
| 1,4-Dichlorobenzene         | 1.687 | 1.656  |            | -1.84  | 20    |
| n-Butylbenzene              | 3.189 | 3.329  |            | 4.39   | 20    |
| 1,2-Dichlorobenzene         | 1.518 | 1.470  |            | -3.16  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.111 | 0.096  |            | -13.51 | 20    |
| 1,2,4-Trichlorobenzene      | 0.927 | 0.894  |            | -3.56  | 20    |
| 1,2,3-Trichlorobenzene      | 0.831 | 0.800  |            | -3.73  | 20    |
| 1,2-Dichloroethane-d4       | 0.498 | 0.417  |            | -16.26 | 20    |
| Dibromofluoromethane        | 0.314 | 0.285  |            | -9.24  | 20    |
| Toluene-d8                  | 1.124 | 1.015  |            | -9.7   | 20    |
| 4-Bromofluorobenzene        | 0.364 | 0.329  |            | -9.61  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.