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

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: CHEM02
Lab Code: ACE
SDG No.: Q3702
Instrument ID: MSVOA_X
Calibration Date/Time: 11/21/2025 09:08
Lab File ID: VX048641.D
Init. Calib. Date(s): 11/07/2025 11/07/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 13:35 16:29
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.405 | 0.421 | | 3.95 | 20 |
| Chloromethane | 0.537 | 0.452 | 0.1 | -15.83 | 20 |
| Vinyl Chloride | 0.608 | 0.583 | | -4.11 | 20 |
| Ethyl Acetate | 0.713 | 0.609 | | -14.59 | 20 |
| Bromomethane | 0.384 | 0.352 | | -8.33 | 20 |
| Chloroethane | 0.398 | 0.339 | | -14.82 | 20 |
| Trichlorofluoromethane | 0.963 | 0.904 | | -6.13 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.557 | 0.592 | | 6.28 | 20 |
| Tert butyl alcohol | 0.132 | 0.138 | | 4.55 | 20 |
| 1,1-Dichloroethene | 0.582 | 0.538 | | -7.56 | 20 |
| Acrolein | 0.019 | 0.017 | | -10.53 | 20 |
| Acrylonitrile | 0.385 | 0.400 | | 3.9 | 20 |
| Acetone | 0.330 | 0.276 | | -16.36 | 20 |
| Carbon Disulfide | 1.638 | 1.351 | | -17.52 | 20 |
| Methyl tert-butyl Ether | 2.055 | 2.103 | | 2.34 | 20 |
| Methyl Acetate | 0.906 | 0.885 | | -2.32 | 20 |
| Methylene Chloride | 0.678 | 0.647 | | -4.57 | 20 |
| trans-1,2-Dichloroethene | 0.617 | 0.585 | | -5.19 | 20 |
| Vinyl Acetate | 1.822 | 1.853 | | 1.7 | 20 |
| 1,1-Dichloroethane | 1.142 | 1.105 | 0.1 | -3.24 | 20 |
| Cyclohexane | 0.936 | 0.861 | | -8.01 | 20 |
| 2-Butanone | 0.488 | 0.441 | | -9.63 | 20 |
| Carbon Tetrachloride | 0.577 | 0.562 | | -2.6 | 20 |
| 2,2-Dichloropropane | 0.973 | 0.970 | | -0.31 | 20 |
| cis-1,2-Dichloroethene | 0.754 | 0.673 | | -10.74 | 20 |
| Bromochloromethane | 0.561 | 0.528 | | -5.88 | 20 |
| Chloroform | 1.179 | 1.147 | | -2.71 | 20 |
| 1,1,1-Trichloroethane | 1.029 | 1.026 | | -0.29 | 20 |
| Methylcyclohexane | 0.569 | 0.561 | | -1.41 | 20 |
| 1,1-Dichloropropene | 0.507 | 0.463 | | -8.68 | 20 |
| Benzene | 1.571 | 1.414 | | -9.99 | 20 |
| 1,2-Dichloroethane | 0.538 | 0.541 | | 0.56 | 20 |
| Trichloroethene | 0.375 | 0.365 | | -2.67 | 20 |
| 1,2-Dichloropropane | 0.361 | 0.363 | | 0.55 | 20 |
| Dibromomethane | 0.263 | 0.278 | | 5.7 | 20 |
| Bromodichloromethane | 0.526 | 0.582 | | 10.65 | 20 |
| 4-Methyl-2-Pentanone | 0.571 | 0.632 | | 10.68 | 20 |
| Toluene | 0.827 | 0.898 | | 8.59 | 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 |
|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.541 | 0.590 | | 9.06 | 20 |
| cis-1,3-Dichloropropene | 0.561 | 0.614 | | 9.45 | 20 |
| 1,1,2-Trichloroethane | 0.330 | 0.373 | | 13.03 | 20 |
| 1,3-Dichloropropane | 0.575 | 0.622 | | 8.17 | 20 |
| 2-Chloroethyl Vinyl ether | 0.296 | 0.335 | | 13.18 | 20 |
| 2-Hexanone | 0.425 | 0.462 | | 8.71 | 20 |
| Dibromochloromethane | 0.406 | 0.463 | | 14.04 | 20 |
| 1,2-Dibromoethane | 0.358 | 0.393 | | 9.78 | 20 |
| Tetrachloroethene | 0.363 | 0.343 | | -5.51 | 20 |
| Chlorobenzene | 1.187 | 1.132 | 0.3 | -4.63 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.398 | 0.414 | | 4.02 | 20 |
| Hexachloroethane | 0.606 | 0.596 | | -1.65 | 20 |
| Ethyl Benzene | 1.993 | 1.929 | | -3.21 | 20 |
| m/p-Xylenes | 0.751 | 0.741 | | -1.33 | 20 |
| o-Xylene | 0.734 | 0.724 | | -1.36 | 20 |
| Styrene | 1.232 | 1.242 | | 0.81 | 20 |
| Bromoform | 0.367 | 0.366 | 0.1 | -0.27 | 20 |
| Isopropylbenzene | 3.629 | 3.586 | | -1.18 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.280 | 1.199 | 0.3 | -6.33 | 20 |
| 1,2,3-Trichloropropane | 1.128 | 1.151 | | 2.04 | 20 |
| Bromobenzene | 0.937 | 0.886 | | -5.44 | 20 |
| n-propylbenzene | 4.268 | 4.207 | | -1.43 | 20 |
| 2-Chlorotoluene | 2.579 | 2.493 | | -3.34 | 20 |
| 1,3,5-Trimethylbenzene | 2.959 | 2.914 | | -1.52 | 20 |
| 4-Chlorotoluene | 3.025 | 2.937 | | -2.91 | 20 |
| tert-Butylbenzene | 3.060 | 3.007 | | -1.73 | 20 |
| 1,2,4-Trimethylbenzene | 2.985 | 2.936 | | -1.64 | 20 |
| sec-Butylbenzene | 3.782 | 3.778 | | -0.11 | 20 |
| p-Isopropyltoluene | 3.180 | 3.186 | | 0.19 | 20 |
| 1,3-Dichlorobenzene | 1.756 | 1.641 | | -6.55 | 20 |
| 1,4-Dichlorobenzene | 1.814 | 1.676 | | -7.61 | 20 |
| n-Butylbenzene | 2.983 | 2.977 | | -0.2 | 20 |
| 1,2-Dichlorobenzene | 1.686 | 1.598 | | -5.22 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.297 | 0.283 | | -4.71 | 20 |
| 1,2,4-Trichlorobenzene | 1.120 | 1.041 | | -7.05 | 20 |
| Hexachlorobutadiene | 0.468 | 0.475 | | 1.5 | 20 |
| Naphthalene | 3.603 | 3.793 | | 5.27 | 20 |
| 1,2,3-Trichlorobenzene | 1.042 | 1.015 | | -2.59 | 20 |

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| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 1,2-Dichloroethane-d4 | 0.697 | 0.708 | | 1.58 | 20 |
| Dibromofluoromethane | 0.378 | 0.372 | | -1.59 | 20 |
| Toluene-d8 | 1.180 | 1.238 | | 4.91 | 20 |
| 4-Bromofluorobenzene | 0.440 | 0.470 | | 6.82 | 20 |

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