284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG No.: Q1782

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02

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

LAB FILE ID: RRF001 = VX045525.D RRF005 = VX045526.D RRF020 = VX045527.D
RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.671 | 0.662 | 0.701 | 0.716 | 0.738 | 0.730 | 0.703 | 4.4 |
| Chloroethane | 0.378 | 0.397 | 0.390 | 0.398 | 0.355 | 0.319 | 0.373 | 8.3 |
| Trichlorofluoromethane | 1.051 | 0.999 | 1.075 | 1.086 | 1.089 | 0.989 | 1.048 | 4.2 |
| 1,1-Dichloroethene | 0.563 | 0.588 | 0.612 | 0.604 | 0.618 | 0.616 | 0.600 | 3.5 |
| Acrylonitrile | 0.356 | 0.382 | 0.413 | 0.407 | 0.394 | 0.376 | 0.388 | 5.4 |
| Acetone | 0.400 | 0.369 | 0.387 | 0.378 | 0.365 | 0.355 | 0.375 | 4.3 |
| Carbon Disulfide | 1.334 | 1.327 | 1.434 | 1.553 | 1.604 | 1.642 | 1.483 | 9.2 |
| Methylene Chloride | 0.692 | 0.695 | 0.726 | 0.709 | 0.705 | 0.690 | 0.703 | 2 |
| Vinyl Acetate | 1.542 | 1.693 | 2.005 | 2.087 | 2.147 | 2.156 | 1.938 | 13.3 |
| 2-Butanone | 0.474 | 0.537 | 0.582 | 0.586 | 0.571 | 0.548 | 0.550 | 7.5 |
| Carbon Tetrachloride | 0.450 | 0.497 | 0.521 | 0.536 | 0.545 | 0.556 | 0.518 | 7.5 |
| cis-1,2-Dichloroethene | 0.762 | 0.696 | 0.760 | 0.751 | 0.754 | 0.760 | 0.747 | 3.4 |
| Bromochloromethane | 0.671 | 0.608 | 0.617 | 0.596 | 0.610 | 0.576 | 0.613 | 5.2 |
| Chloroform | 1.244 | 1.309 | 1.348 | 1.315 | 1.309 | 1.309 | 1.306 | 2.6 |
| 1,1,1-Trichloroethane | 1.028 | 1.052 | 1.120 | 1.109 | 1.153 | 1.167 | 1.105 | 5 |
| Benzene | 1.414 | 1.416 | 1.519 | 1.481 | 1.483 | 1.465 | 1.463 | 2.8 |
| 1,2-Dichloropropane | 0.309 | 0.365 | 0.388 | 0.376 | 0.379 | 0.374 | 0.365 | 7.8 |
| Dibromomethane | 0.237 | 0.287 | 0.297 | 0.292 | 0.286 | 0.282 | 0.280 | 7.8 |
| Bromodichloromethane | 0.521 | 0.519 | 0.576 | 0.572 | 0.587 | 0.583 | 0.560 | 5.6 |
| 4-Methyl-2-Pentanone | 0.499 | 0.578 | 0.661 | 0.663 | 0.647 | 0.589 | 0.606 | 10.6 |
| Toluene | 0.817 | 0.866 | 0.939 | 0.910 | 0.905 | 0.875 | 0.885 | 4.8 |
| t-1,3-Dichloropropene | 0.316 | 0.400 | 0.465 | 0.508 | 0.555 | 0.558 | 0.467 | 20.3 |
| cis-1,3-Dichloropropene | 0.371 | 0.474 | 0.546 | 0.568 | 0.597 | 0.600 | 0.526 | 16.9 |
| 2-Hexanone | 0.363 | 0.429 | 0.488 | 0.492 | 0.484 | 0.439 | 0.449 | 11.1 |
| Dibromochloromethane | 0.313 | 0.352 | 0.404 | 0.412 | 0.421 | 0.405 | 0.385 | 11.1 |
| 1,2-Dibromoethane | 0.294 | 0.351 | 0.380 | 0.373 | 0.380 | 0.364 | 0.357 | 9.1 |
| Tetrachloroethene | 0.346 | 0.373 | 0.371 | 0.347 | 0.333 | 0.347 | 0.353 | 4.5 |
| Chlorobenzene | 0.951 | 1.054 | 1.123 | 1.084 | 1.086 | 1.112 | 1.068 | 5.8 |
| 1,1,1,2-Tetrachloroethane | 0.368 | 0.344 | 0.372 | 0.373 | 0.379 | 0.390 | 0.371 | 4.2 |
| Ethyl Benzene | 1.608 | 1.819 | 2.002 | 2.007 | 1.993 | 2.053 | 1.914 | 8.9 |

* 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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# VOLATILE ORGANICS INITIAL CALIBRATION DATA

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Lab Code: CHEM Case No.: Q1782 SAS No.: Q1782 SDG No.: Q1782

Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025

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RRF050 = VX045528.D RRF100 = VX045529.D RRF150 = VX045530.D

| COMPOUND | RRF001 | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| m/p-Xylenes | 0.594 | 0.669 | 0.732 | 0.728 | 0.723 | 0.729 | 0.696 | 7.9 |
| o-Xylene | 0.562 | 0.676 | 0.725 | 0.719 | 0.716 | 0.714 | 0.686 | 9.2 |
| Styrene | 0.897 | 1.043 | 1.202 | 1.216 | 1.230 | 1.202 | 1.132 | 11.8 |
| Bromoform | 0.220 | 0.252 | 0.272 | 0.296 | 0.307 | 0.315 | 0.277 | 13.1 |
| 1,1,2,2-Tetrachloroethane | 1.457 | 1.428 | 1.461 | 1.384 | 1.354 | 1.358 | 1.407 | 3.4 |
| 1,2,3-Trichloropropane | 1.221 | 1.257 | 1.251 | 1.225 | 1.192 | 1.171 | 1.220 | 2.7 |
| 1,4-Dichlorobenzene | 1.671 | 1.724 | 1.768 | 1.703 | 1.674 | 1.706 | 1.708 | 2.1 |
| 1,2-Dichlorobenzene | 1.644 | 1.645 | 1.750 | 1.678 | 1.665 | 1.667 | 1.675 | 2.3 |
| 1,2-Dibromo-3-Chloropropane | 0.196 | 0.260 | 0.312 | 0.316 | 0.333 | 0.349 | 0.294 | 19.4 |
| 1,2-Dichloroethane-d4 | | 0.962 | 0.900 | 0.868 | 0.904 | 0.937 | 0.914 | 3.9 |
| Dibromofluoromethane | | 0.372 | 0.342 | 0.345 | 0.353 | 0.362 | 0.355 | 3.5 |
| Toluene-d8 | | 1.257 | 1.233 | 1.214 | 1.230 | 1.257 | 1.238 | 1.5 |
| 4-Bromofluorobenzene | | 0.413 | 0.448 | 0.453 | 0.481 | 0.460 | 0.451 | 5.5 |
| Methyl Iodide | | 0.705 | 0.789 | 0.799 | 0.788 | 0.750 | 0.766 | 5.1 |
| trans-1,4-Dichloro-2-butene | | 0.274 | 0.323 | 0.371 | 0.401 | 0.428 | 0.359 | 17.2 |

* 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.