# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
Data File : VX046431.D
Acq On : 30 May 2025 18:56
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: May 30 23:35:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.765 | 0.706 | 7.7 | 62 | 0.00 |
| 3 | P | Chloromethane | 0.742 | 0.678 | 8.6 | 67 | 0.00 |
| 4 | C | Vinyl Chloride | 0.691 | 0.615 | 11.0# | 66 | 0.00 |
| 5 | T | Bromomethane | 0.320 | 0.291 | 9.1 | 68 | 0.00 |
| 6 | T | Chloroethane | 0.369 | 0.346 | 6.2 | 70 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.021 | 0.979 | 4.1 | 70 | 0.00 |
| 8 | T | Diethyl Ether | 0.347 | 0.336 | 3.2 | 76 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.618 | 2.2 | 74 | 0.00 |
| 10 | T | Methyl Iodide | 0.747 | 0.699 | 6.4 | 66 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.131 | 0.164 | -25.2# | 97 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.593 | 0.566 | 4.6# | 72 | 0.00 |
| 13 | T | Acrolein | 0.149 | 0.167 | -12.1 | 84 | 0.00 |
| 14 | T | Allyl chloride | 1.133 | 1.204 | -6.3 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 0.374 | 0.439 | -17.4 | 86 | 0.00 |
| 16 | T | Acetone | 0.374 | 0.427 | -14.2 | 90 | 0.00 |
| 17 | T | Carbon Disulfide | 1.406 | 1.085 | 22.8 | 57 | 0.00 |
| 18 | T | Methyl Acetate | 0.867 | 1.303 | -50.3# | 117 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.079 | 2.303 | -10.8 | 81 | 0.00 |
| 20 | T | Methylene Chloride | 0.716 | 0.705 | 1.5 | 79 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.596 | 0.567 | 4.9 | 71 | 0.00 |
| 22 | T | Diisopropyl ether | 2.189 | 2.439 | -11.4 | 82 | 0.00 |
| 23 | T | Vinyl Acetate | 1.925 | 2.099 | -9.0 | 78 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.219 | 1.297 | -6.4 | 78 | 0.00 |
| 25 | T | 2-Butanone | 0.543 | 0.660 | -21.5 | 91 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.954 | 0.906 | 5.0 | 72 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.718 | 0.752 | -4.7 | 78 | 0.00 |
| 28 | T | Bromochloromethane | 0.587 | 0.625 | -6.5 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.340 | 0.410 | -20.6 | 89 | 0.00 |
| 30 | C | Chloroform | 1.271 | 1.391 | -9.4# | 82 | 0.00 |
| 31 | T | Cyclohexane | 1.111 | 1.047 | 5.8 | 71 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.101 | 1.186 | -7.7 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.932 | 0.953 | -2.3 | 80 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.360 | 0.370 | -2.8 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.484 | 0.463 | 4.3 | 74 | 0.00 |
| 37 | T | Ethyl Acetate | 0.598 | 0.643 | -7.5 | 83 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.544 | 0.536 | 1.5 | 76 | 0.00 |
| 39 | T | Methylcyclohexane | 0.623 | 0.569 | 8.7 | 70 | 0.00 |
| 40 | TM | Benzene | 1.417 | 1.443 | -1.8 | 78 | 0.00 |
| 41 | T | Methacrylonitrile | 0.313 | 0.385 | -23.0 | 88 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.612 | 0.638 | -4.2 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.912 | 1.055 | -15.7 | 87 | 0.00 |
| 44 | TM | Trichloroethene | 0.341 | 0.338 | 0.9 | 75 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.352 | 0.390 | -10.8# | 83 | 0.00 |
| 46 | T | Dibromomethane | 0.278 | 0.292 | -5.0 | 81 | 0.00 |
| 47 | T | Bromodichloromethane | 0.547 | 0.604 | -10.4 | 83 | 0.00 |
| 48 | T | Methyl methacrylate | 0.466 | 0.561 | -20.4 | 89 | 0.00 |

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.009 | 0.010 | -11.1 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 1.246 | 1.219 | 2.2 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.605 | 0.747 | -23.5 | 93 | 0.00 |
| 52 | CM | Toluene | 0.869 | 0.892 | -2.6# | 79 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.487 | 0.534 | -9.7 | 80 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.538 | 0.594 | -10.4 | 81 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.385 | -12.2 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.546 | 0.659 | -20.7 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.615 | 0.673 | -9.4 | 86 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.278 | 0.318 | -14.4 | 82 | 0.00 |
| 59 | T | 2-Hexanone | 0.448 | 0.562 | -25.4# | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 0.376 | 0.434 | -15.4 | 86 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.356 | 0.388 | -9.0 | 82 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.478 | 0.506 | -5.9 | 85 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 64 | T | Tetrachloroethene | 0.354 | 0.336 | 5.1 | 73 | 0.00 |
| 65 | PM | Chlorobenzene | 1.094 | 1.107 | -1.2 | 82 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.374 | 0.399 | -6.7 | 83 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 2.037 | -5.6# | 82 | 0.00 |
| 68 | T | m/p-Xylenes | 0.706 | 0.738 | -4.5 | 81 | 0.00 |
| 69 | T | o-Xylene | 0.688 | 0.742 | -7.8 | 83 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.252 | -11.1 | 83 | 0.00 |
| 71 | P | Bromoform | 0.281 | 0.308 | -9.6 | 82 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 73 | T | Isopropylbenzene | 3.893 | 4.117 | -5.8 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 1.924 | 2.228 | -15.8 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.364 | 1.468 | -7.6 | 93 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.204 | 1.296 | -7.6 | 92 | 0.00 |
| 77 | T | Bromobenzene | 0.904 | 0.942 | -4.2 | 86 | 0.00 |
| 78 | T | n-propylbenzene | 4.526 | 4.858 | -7.3 | 84 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.919 | 3.047 | -4.4 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.252 | 3.494 | -7.4 | 84 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.370 | 0.406 | -9.7 | 89 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.238 | 3.479 | -7.4 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.276 | 3.536 | -7.9 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.293 | 3.578 | -8.7 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.022 | 4.441 | -10.4 | 87 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.320 | 3.647 | -9.8 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.649 | 1.747 | -5.9 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.684 | 1.746 | -3.7 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 2.912 | 3.229 | -10.9 | 87 | 0.00 |
| 90 | T | Hexachloroethane | 0.585 | 0.618 | -5.6 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.655 | 1.784 | -7.8 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.302 | 0.360 | -19.2 | 94 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.951 | 1.027 | -8.0 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.415 | 0.446 | -7.5 | 88 | 0.00 |
| 95 | T | Naphthalene | 3.487 | 3.941 | -13.0 | 92 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.981 | 1.069 | -9.0 | 88 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 6