# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031025\
Data File : VX045183.D
Acq On : 10 Mar 2025 10:06
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 11 03:49:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 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 | 116 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.629 | 0.640 | -1.7 | 119 | 0.00 |
| 3 | P | Chloromethane | 0.770 | 0.699 | 9.2 | 108 | 0.00 |
| 4 | C | Vinyl Chloride | 0.764 | 0.695 | 9.0# | 106 | 0.00 |
| 5 | T | Bromomethane | 0.300 | 0.285 | 5.0 | 113 | 0.00 |
| 6 | T | Chloroethane | 0.352 | 0.354 | -0.6 | 111 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.011 | 0.997 | 1.4 | 110 | 0.00 |
| 8 | T | Diethyl Ether | 0.396 | 0.343 | 13.4 | 103 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.581 | 0.614 | -5.7 | 120 | 0.00 |
| 10 | T | Methyl Iodide | 0.726 | 0.724 | 0.3 | 109 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.151 | 0.109 | 27.8# | 95 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.614 | 0.587 | 4.4# | 110 | 0.00 |
| 13 | T | Acrolein | 0.174 | 0.146 | 16.1 | 98 | 0.00 |
| 14 | T | Allyl chloride | 1.094 | 1.093 | 0.1 | 115 | 0.00 |
| 15 | T | Acrylonitrile | 0.404 | 0.376 | 6.9 | 107 | 0.00 |
| 16 | T | Acetone | 0.369 | 0.336 | 8.9 | 111 | 0.00 |
| 17 | T | Carbon Disulfide | 1.636 | 1.535 | 6.2 | 108 | 0.00 |
| 18 | T | Methyl Acetate | 0.888 | 0.894 | -0.7 | 120 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.061 | 1.979 | 4.0 | 110 | 0.00 |
| 20 | T | Methylene Chloride | 0.731 | 0.674 | 7.8 | 112 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.607 | 0.588 | 3.1 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 2.224 | 2.156 | 3.1 | 109 | 0.00 |
| 23 | T | Vinyl Acetate | 1.856 | 1.841 | 0.8 | 109 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.247 | 1.176 | 5.7 | 110 | 0.00 |
| 25 | T | 2-Butanone | 0.555 | 0.512 | 7.7 | 103 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.585 | 0.894 | -52.8# | 174# | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.749 | 0.713 | 4.8 | 109 | 0.00 |
| 28 | T | Bromochloromethane | 0.594 | 0.566 | 4.7 | 109 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.373 | 0.325 | 12.9 | 101 | 0.00 |
| 30 | C | Chloroform | 1.239 | 1.147 | 7.4# | 107 | 0.00 |
| 31 | T | Cyclohexane | 1.082 | 1.047 | 3.2 | 110 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.000 | 0.977 | 2.3 | 111 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.795 | 0.730 | 8.2 | 112 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.334 | 0.345 | -3.3 | 113 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.459 | 0.465 | -1.3 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 0.591 | 0.573 | 3.0 | 102 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.465 | 0.489 | -5.2 | 113 | 0.00 |
| 39 | T | Methylcyclohexane | 0.549 | 0.623 | -13.5 | 115 | 0.00 |
| 40 | TM | Benzene | 1.448 | 1.452 | -0.3 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.319 | 0.331 | -3.8 | 105 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 0.521 | 0.522 | -0.2 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.874 | 0.919 | -5.1 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 0.340 | 0.337 | 0.9 | 107 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.372 | 0.376 | -1.1# | 110 | 0.00 |
| 46 | T | Dibromomethane | 0.263 | 0.269 | -2.3 | 108 | 0.00 |
| 47 | T | Bromodichloromethane | 0.516 | 0.539 | -4.5 | 111 | 0.00 |
| 48 | T | Methyl methacrylate | 0.438 | 0.447 | -2.1 | 104 | 0.00 |

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

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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 | 0.008 | 11.1 | 89 | 0.00 |
| 50 | S | Toluene-d8 | 1.212 | 1.229 | -1.4 | 110 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.587 | 0.586 | 0.2 | 104 | 0.00 |
| 52 | CM | Toluene | 0.849 | 0.875 | -3.1# | 105 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.431 | 0.509 | -18.1 | 117 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.503 | 0.573 | -13.9 | 116 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.350 | 0.343 | 2.0 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.532 | 0.573 | -7.7 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.605 | 0.592 | 2.1 | 103 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.259 | 0.288 | -11.2 | 109 | 0.00 |
| 59 | T | 2-Hexanone | 0.425 | 0.421 | 0.9 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 0.366 | 0.395 | -7.9 | 111 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.349 | 0.355 | -1.7 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.402 | 0.426 | -6.0 | 114 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 64 | T | Tetrachloroethene | 0.320 | 0.332 | -3.8 | 111 | 0.00 |
| 65 | PM | Chlorobenzene | 1.058 | 1.089 | -2.9 | 108 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.352 | 0.359 | -2.0 | 110 | 0.00 |
| 67 | C | Ethyl Benzene | 1.843 | 1.936 | -5.0# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 0.675 | 0.709 | -5.0 | 106 | 0.00 |
| 69 | T | o-Xylene | 0.681 | 0.695 | -2.1 | 107 | 0.00 |
| 70 | T | Styrene | 1.101 | 1.170 | -6.3 | 107 | 0.00 |
| 71 | P | Bromoform | 0.266 | 0.295 | -10.9 | 116 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 73 | T | Isopropylbenzene | 3.903 | 4.125 | -5.7 | 109 | 0.00 |
| 74 | T | N-amyl acetate | 1.831 | 1.956 | -6.8 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.432 | 1.369 | 4.4 | 105 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.164 | 1.136 | 2.4 | 108 | 0.00 |
| 77 | T | Bromobenzene | 0.921 | 0.942 | -2.3 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 4.409 | 4.831 | -9.6 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.808 | 2.837 | -1.0 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.156 | 3.352 | -6.2 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.340 | 0.413 | -21.5 | 133 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.060 | 3.229 | -5.5 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.242 | 3.398 | -4.8 | 110 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.175 | 3.345 | -5.4 | 108 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.884 | 4.292 | -10.5 | 111 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.139 | 3.503 | -11.6 | 112 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.643 | 1.704 | -3.7 | 111 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.662 | 1.678 | -1.0 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 2.703 | 3.205 | -18.6 | 116 | 0.00 |
| 90 | T | Hexachloroethane | 0.568 | 0.628 | -10.6 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.648 | 1.653 | -0.3 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.279 | 0.279 | 0.0 | 105 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.938 | 1.037 | -10.6 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.385 | 0.438 | -13.8 | 122 | 0.00 |
| 95 | T | Naphthalene | 3.605 | 3.688 | -2.3 | 103 | 0.00 |

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Quant Title : SW846 8260
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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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.990 | 1.067 | -7.8 | 110 | 0.00 |

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