# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100625\
Data File : VV039265.D
Acq On : 06 Oct 2025 11:46
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**LabSampleId :**
VSTDCCC050

Quant Time: Oct 07 03:30:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.791 | 0.589 | 25.5# | 78 | 0.00 |
| 3 | P | Chloromethane | 0.850 | 0.614 | 27.8# | 78 | 0.00 |
| 4 | C | Vinyl Chloride | 0.910 | 0.729 | 19.9# | 85 | 0.00 |
| 5 | T | Bromomethane | 0.573 | 0.454 | 20.8# | 87 | 0.00 |
| 6 | T | Chloroethane | 0.631 | 0.482 | 23.6# | 88 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.317 | 1.128 | 14.4 | 92 | 0.00 |
| 8 | T | Diethyl Ether | 0.489 | 0.465 | 4.9 | 102 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.784 | 0.701 | 10.6 | 97 | 0.00 |
| 10 | T | Methyl Iodide | 0.746 | 0.728 | 2.4 | 90 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.153 | 0.159 | -3.9 | 113 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.754 | 0.655 | 13.1# | 95 | 0.00 |
| 13 | T | Acrolein | 0.027 | 0.011 | 59.3# | 41# | 0.00 |
| 14 | T | Allyl chloride | 1.347 | 1.133 | 15.9 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 0.490 | 0.457 | 6.7 | 102 | 0.00 |
| 16 | T | Acetone | 0.523 | 0.426 | 18.5 | 93 | 0.00 |
| 17 | T | Carbon Disulfide | 2.306 | 1.698 | 26.4# | 80 | 0.00 |
| 18 | T | Methyl Acetate | 1.072 | 1.199 | -11.8 | 119 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.402 | 2.436 | -1.4 | 106 | 0.00 |
| 20 | T | Methylene Chloride | 1.066 | 0.783 | 26.5# | 98 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.803 | 0.692 | 13.8 | 93 | 0.00 |
| 22 | T | Diisopropyl ether | 2.576 | 2.362 | 8.3 | 91 | 0.00 |
| 23 | T | Vinyl Acetate | 2.254 | 2.041 | 9.4 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.576 | 1.357 | 13.9 | 95 | 0.00 |
| 25 | T | 2-Butanone | 0.579 | 0.565 | 2.4 | 94 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.397 | 1.141 | 18.3 | 90 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.885 | 0.852 | 3.7 | 96 | 0.00 |
| 28 | T | Bromochloromethane | 0.696 | 0.639 | 8.2 | 92 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.363 | 0.354 | 2.5 | 94 | 0.00 |
| 30 | C | Chloroform | 1.645 | 1.436 | 12.7# | 94 | 0.00 |
| 31 | T | Cyclohexane | 1.291 | 1.000 | 22.5# | 78 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.424 | 1.201 | 15.7 | 90 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.724 | 0.551 | 23.9# | 83 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.402 | 0.352 | 12.4 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.608 | 0.558 | 8.2 | 86 | 0.00 |
| 37 | T | Ethyl Acetate | 0.737 | 0.678 | 8.0 | 91 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.743 | 0.660 | 11.2 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 0.734 | 0.658 | 10.4 | 77 | 0.00 |
| 40 | TM | Benzene | 1.979 | 1.845 | 6.8 | 89 | 0.00 |
| 41 | T | Methacrylonitrile | 0.273 | 0.327 | -19.8 | 95 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.693 | 0.637 | 8.1 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.005 | 1.053 | -4.8 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 0.457 | 0.456 | 0.2 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.492 | 0.476 | 3.3# | 91 | 0.00 |
| 46 | T | Dibromomethane | 0.376 | 0.367 | 2.4 | 96 | 0.00 |
| 47 | T | Bromodichloromethane | 0.778 | 0.743 | 4.5 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 0.456 | 0.491 | -7.7 | 94 | 0.00 |

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MSVOA_V
**LabSampleId :**
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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.008 | -14.3 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 1.181 | 0.939 | 20.5# | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.661 | 0.713 | -7.9 | 93 | 0.00 |
| 52 | CM | Toluene | 1.147 | 1.171 | -2.1# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.678 | 0.734 | -8.3 | 97 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.749 | 0.786 | -4.9 | 93 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.514 | 0.508 | 1.2 | 99 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.611 | 0.745 | -21.9# | 100 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.812 | 0.824 | -1.5 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.267 | 0.298 | -11.6 | 81 | 0.00 |
| 59 | T | 2-Hexanone | 0.463 | 0.535 | -15.6 | 94 | 0.00 |
| 60 | T | Dibromochloromethane | 0.586 | 0.602 | -2.7 | 102 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.526 | 0.549 | -4.4 | 100 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.486 | 0.476 | 2.1 | 90 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 64 | T | Tetrachloroethene | 0.419 | 0.393 | 6.2 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 1.393 | 1.369 | 1.7 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.503 | 0.504 | -0.2 | 100 | 0.00 |
| 67 | C | Ethyl Benzene | 2.108 | 2.229 | -5.7# | 91 | 0.00 |
| 68 | T | m/p-Xylenes | 0.814 | 0.895 | -10.0 | 91 | 0.00 |
| 69 | T | o-Xylene | 0.720 | 0.826 | -14.7 | 95 | 0.00 |
| 70 | T | Styrene | 1.263 | 1.504 | -19.1 | 94 | 0.00 |
| 71 | P | Bromoform | 0.393 | 0.433 | -10.2 | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 73 | T | Isopropylbenzene | 3.627 | 3.696 | -1.9 | 92 | 0.00 |
| 74 | T | N-amyl acetate | 1.447 | 1.580 | -9.2 | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.589 | 1.415 | 11.0 | 97 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.138 | 1.081 | 5.0 | 101 | 0.00 |
| 77 | T | Bromobenzene | 0.941 | 0.938 | 0.3 | 99 | 0.00 |
| 78 | T | n-propylbenzene | 4.416 | 4.371 | 1.0 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.643 | 2.654 | -0.4 | 92 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.014 | 3.124 | -3.6 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.474 | 0.471 | 0.6 | 93 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.064 | 3.164 | -3.3 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.006 | 3.068 | -2.1 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.926 | 3.127 | -6.9 | 90 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.987 | 3.840 | 3.7 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.318 | 3.289 | 0.9 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.904 | 1.856 | 2.5 | 98 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 2.089 | 1.920 | 8.1 | 97 | 0.00 |
| 89 | T | n-Butylbenzene | 3.169 | 3.071 | 3.1 | 83 | 0.00 |
| 90 | T | Hexachloroethane | 0.817 | 0.646 | 20.9# | 87 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.779 | 1.762 | 1.0 | 99 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.311 | 5.8 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.020 | 1.084 | -6.3 | 98 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.530 | 0.413 | 22.1# | 84 | 0.00 |
| 95 | T | Naphthalene | 3.296 | 3.929 | -19.2 | 101 | 0.00 |

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| 96 T | 1,2,3-Trichlorobenzene | 1.043 | 1.124 | -7.8 | 99 | 0.00 |

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