# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088396.D
Acq On : 02 Dec 2025 10:00
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 03 01:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.358 | -4.7 | 107 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.402 | -4.8 | 106 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.377 | -2.8# | 105 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.325 | -8.7 | 109 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.058 | -6.1 | 108 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.190 | -2.4 | 109 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.187 | -8.4 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.888 | 0.2 | 109 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.008 | -4.0 | 96 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 229.125 | 8.3 | 86 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.427 | -0.9# | 109 | 0.00 |
| 13 | T | Acrolein | 250.000 | 322.263 | -28.9# | 124 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.970 | -5.9 | 105 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 259.578 | -3.8 | 97 | 0.00 |
| 16 | T | Acetone | 250.000 | 225.623 | 9.8 | 93 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.834 | -1.7 | 103 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.951 | -5.9 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 55.961 | -11.9 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.016 | -4.0 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.692 | -5.4 | 105 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 55.758 | -11.5 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 279.005 | -11.6 | 102 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.272 | -6.5 | 103 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 256.937 | -2.8 | 95 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 53.901 | -7.8 | 107 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.972 | -5.9 | 101 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.306 | -2.6 | 96 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 263.460 | -5.4 | 97 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.432 | -8.9# | 106 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.737 | 0.5 | 110 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.783 | -5.6 | 109 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.554 | -5.1 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.944 | -3.9 | 101 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.323 | -0.6 | 107 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.588 | 0.8 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.952 | -5.9 | 110 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.199 | -0.4 | 106 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.795 | -5.6 | 104 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.934 | -9.9 | 105 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 55.698 | -11.4 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.130 | -6.3 | 100 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.744 | 0.5 | 101 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 53.539 | -7.1# | 104 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.115 | -8.2 | 104 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.485 | -9.0 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.615 | -9.2 | 102 | 0.00 |

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 03 01:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 900.506 | 9.9 | 83 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.805 | -3.6 | 102 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 274.163 | -9.7 | 101 | 0.00 |
| 52 | CM | Toluene | 50.000 | 55.446 | -10.9# | 107 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.718 | -11.4 | 104 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.267 | -10.5 | 103 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 53.673 | -7.3 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 59.578 | -19.2 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.848 | -9.7 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 296.591 | -18.6 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 281.819 | -12.7 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.923 | -9.8 | 105 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.790 | -7.6 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.532 | -7.1 | 103 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 44.782 | 10.4 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.708 | -5.4 | 106 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.016 | -8.0 | 106 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.815 | -7.6# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.596 | -9.6 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.601 | -9.2 | 108 | 0.00 |
| 70 | T | Styrene | 50.000 | 58.473 | -16.9 | 110 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.009 | -10.0 | 107 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.998 | -10.0 | 111 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 43.238 | 13.5 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.080 | -4.2 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.191 | -4.4 | 101 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 54.491 | -9.0 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.462 | -8.9 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.708 | -7.4 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.108 | -10.2 | 110 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.667 | -11.3 | 106 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 56.512 | -13.0 | 107 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.542 | -7.1 | 110 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 56.739 | -13.5 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.615 | -7.2 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.372 | -10.7 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.199 | -6.4 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.169 | -4.3 | 106 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 53.581 | -7.2 | 110 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.735 | -9.5 | 114 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.685 | -7.4 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.162 | -4.3 | 104 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.780 | -3.6 | 106 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 50.390 | -0.8 | 111 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.375 | -6.8 | 102 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.264 | -2.5 | 104 | 0.00 |

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