# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
Data File : VN086967.D
Acq On : 12 Jun 2025 10:58
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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 | 89 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 57.720 | -15.4 | 103 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 45.579 | 8.8 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 56.150 | -12.3# | 104 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.593 | 14.8 | 79 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 56.423 | -12.8 | 106 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 56.525 | -13.0 | 105 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 57.750 | -15.5 | 108 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 56.996 | -14.0 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 30.105 | 39.8# | 56 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 264.263 | -5.7 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 56.164 | -12.3# | 105 | 0.00 |
| 13 | T | Acrolein | 250.000 | 1225.680 | -390.3# | 556 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 53.489 | -7.0 | 102 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 283.838 | -13.5 | 106 | 0.00 |
| 16 | T | Acetone | 250.000 | 262.370 | -4.9 | 103 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.929 | -1.9 | 98 | 0.01 |
| 18 | T | Methyl Acetate | 50.000 | 57.496 | -15.0 | 108 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.476 | -15.0 | 107 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 55.575 | -11.2 | 109 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.798 | -7.6 | 105 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.016 | -12.0 | 105 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 280.603 | -12.2 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 56.615 | -13.2 | 107 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 265.435 | -6.2 | 99 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 61.975 | -24.0 | 107 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.216 | -12.4 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.051 | 9.9 | 95 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 269.283 | -7.7 | 101 | 0.00 |
| 30 | C | Chloroform | 50.000 | 56.716 | -13.4# | 107 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.573 | 2.9 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.035 | -10.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.735 | 0.5 | 119 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.655 | -7.3 | 128 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 55.253 | -10.5 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.930 | -13.9 | 106 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 56.196 | -12.4 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.789 | 4.4 | 90 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.408 | -10.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.455 | -6.9 | 99 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.568 | -13.1 | 107 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 55.056 | -10.1 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 55.546 | -11.1 | 103 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 57.676 | -15.4# | 108 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 58.548 | -17.1 | 109 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.801 | -15.6 | 107 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 54.473 | -8.9 | 102 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 13 01:23:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 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 | 1123.948 | -12.4 | 96 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.865 | 0.3 | 120 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 284.335 | -13.7 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 55.206 | -10.4# | 103 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 58.362 | -16.7 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.872 | -15.7 | 107 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 58.186 | -16.4 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 61.197 | -22.4 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 57.208 | -14.4 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 246.931 | 1.2 | 103 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 293.972 | -17.6 | 99 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 59.748 | -19.5 | 110 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 57.512 | -15.0 | 108 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.900 | -1.8 | 121 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.528 | -5.1 | 99 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.838 | -11.7 | 106 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 58.407 | -16.8 | 108 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 55.204 | -10.4# | 102 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 111.485 | -11.5 | 101 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 56.848 | -13.7 | 103 | 0.00 |
| 70 | T | Styrene | 50.000 | 57.840 | -15.7 | 104 | 0.00 |
| 71 | P | Bromoform | 50.000 | 62.714 | -25.4# | 109 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.516 | -9.0 | 100 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.829 | -7.7 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 58.416 | -16.8 | 106 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.884 | -3.8 | 91 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 58.102 | -16.2 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.921 | -7.8 | 98 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 55.125 | -10.3 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.321 | -8.6 | 97 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 58.870 | -17.7 | 110 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 55.488 | -11.0 | 102 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.555 | -7.1 | 97 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.309 | -10.6 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.674 | -3.3 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.598 | -5.2 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 56.838 | -13.7 | 104 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 56.350 | -12.7 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.714 | 0.6 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 56.009 | -12.0 | 101 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 56.635 | -13.3 | 103 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 54.321 | -8.6 | 102 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.083 | -6.2 | 95 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 42.625 | 14.8 | 76 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.611 | -11.2 | 100 | 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 | 51.455 | -2.9 | 94 | 0.00 |

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