# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087668.D
Acq On : 26 Aug 2025 13:38
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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 | 86 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.710 | 0.773 | -8.9 | 82 | 0.00 |
| 3 | P | Chloromethane | 0.730 | 0.770 | -5.5 | 84 | 0.00 |
| 4 | C | Vinyl Chloride | 0.846 | 0.885 | -4.6# | 85 | 0.00 |
| 5 | T | Bromomethane | 0.437 | 0.424 | 3.0 | 82 | 0.00 |
| 6 | T | Chloroethane | 0.595 | 0.603 | -1.3 | 86 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.240 | 1.324 | -6.8 | 90 | 0.00 |
| 8 | T | Diethyl Ether | 0.540 | 0.540 | 0.0 | 88 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.701 | 0.730 | -4.1 | 91 | 0.00 |
| 10 | T | Methyl Iodide | 0.450 | 0.333 | 26.0# | 60 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.178 | 0.184 | -3.4 | 86 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.721 | 0.721 | 0.0 | 89 | 0.00 |
| 13 | T | Acrolein | 0.219 | 0.285 | -30.1# | 114 | 0.00 |
| 14 | T | Allyl chloride | 1.306 | 1.192 | 8.7 | 83 | 0.00 |
| 15 | T | Acrylonitrile | 0.502 | 0.507 | -1.0 | 88 | 0.00 |
| 16 | T | Acetone | 0.558 | 0.487 | 12.7 | 81 | 0.00 |
| 17 | T | Carbon Disulfide | 1.985 | 1.940 | 2.3 | 84 | 0.00 |
| 18 | T | Methyl Acetate | 1.168 | 1.242 | -6.3 | 93 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.704 | 2.762 | -2.1 | 87 | 0.00 |
| 20 | T | Methylene Chloride | 0.948 | 0.837 | 11.7 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.781 | 0.744 | 4.7 | 86 | 0.00 |
| 22 | T | Diisopropyl ether | 2.819 | 2.900 | -2.9 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 2.565 | 2.688 | -4.8 | 86 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.546 | 1.543 | 0.2 | 89 | 0.00 |
| 25 | T | 2-Butanone | 0.734 | 0.728 | 0.8 | 86 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.327 | 1.195 | 9.9 | 78 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.934 | 0.930 | 0.4 | 85 | 0.00 |
| 28 | T | Bromochloromethane | 0.747 | 0.701 | 6.2 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.472 | 0.483 | -2.3 | 88 | 0.00 |
| 30 | C | Chloroform | 1.578 | 1.615 | -2.3# | 88 | 0.00 |
| 31 | T | Cyclohexane | 1.289 | 1.257 | 2.5 | 88 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.337 | 1.334 | 0.2 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 1.024 | 0.933 | 8.9 | 84 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.361 | 0.335 | 7.2 | 85 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.554 | 0.536 | 3.2 | 86 | 0.00 |
| 37 | T | Ethyl Acetate | 0.757 | 0.754 | 0.4 | 86 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.547 | 0.575 | -5.1 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 0.610 | 0.598 | 2.0 | 86 | 0.00 |
| 40 | TM | Benzene | 1.699 | 1.737 | -2.2 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 0.392 | 0.397 | -1.3 | 86 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.653 | 0.669 | -2.5 | 87 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.182 | 1.253 | -6.0 | 89 | 0.00 |
| 44 | TM | Trichloroethene | 0.388 | 0.379 | 2.3 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.448 | 0.457 | -2.0# | 89 | 0.00 |
| 46 | T | Dibromomethane | 0.319 | 0.331 | -3.8 | 88 | 0.00 |
| 47 | T | Bromodichloromethane | 0.653 | 0.679 | -4.0 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 0.559 | 0.581 | -3.9 | 88 | 0.00 |

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

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

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.007 | 0.008 | -14.3 | 90 | 0.00 |
| 50 | S | Toluene-d8 | 1.351 | 1.262 | 6.6 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.713 | 0.766 | -7.4 | 88 | 0.00 |
| 52 | CM | Toluene | 1.053 | 1.081 | -2.7# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.676 | 0.703 | -4.0 | 85 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.702 | 0.710 | -1.1 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.407 | 0.424 | -4.2 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.651 | 0.702 | -7.8 | 84 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.721 | 0.755 | -4.7 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.352 | 0.370 | -5.1 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 0.451 | 0.522 | -15.7 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 0.472 | 0.482 | -2.1 | 88 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.430 | 0.448 | -4.2 | 88 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.481 | 0.453 | 5.8 | 85 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 64 | T | Tetrachloroethene | 0.347 | 0.325 | 6.3 | 90 | 0.00 |
| 65 | PM | Chlorobenzene | 1.244 | 1.214 | 2.4 | 87 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.413 | 0.422 | -2.2 | 87 | 0.00 |
| 67 | C | Ethyl Benzene | 2.154 | 2.194 | -1.9# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 0.790 | 0.821 | -3.9 | 87 | 0.00 |
| 69 | T | o-Xylene | 0.774 | 0.792 | -2.3 | 86 | 0.00 |
| 70 | T | Styrene | 1.297 | 1.394 | -7.5 | 87 | 0.00 |
| 71 | P | Bromoform | 0.317 | 0.338 | -6.6 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 4.040 | 3.940 | 2.5 | 86 | 0.00 |
| 74 | T | N-amyl acetate | 1.531 | 1.485 | 3.0 | 84 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.391 | 1.411 | -1.4 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.173 | 1.124 | 4.2 | 92 | 0.00 |
| 77 | T | Bromobenzene | 0.953 | 0.935 | 1.9 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 4.977 | 5.006 | -0.6 | 88 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.995 | 2.932 | 2.1 | 87 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.428 | 3.422 | 0.2 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.443 | 0.450 | -1.6 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.149 | 3.072 | 2.4 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.856 | 2.849 | 0.2 | 86 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.431 | 3.484 | -1.5 | 88 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.239 | 4.240 | -0.0 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.500 | 3.473 | 0.8 | 86 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.876 | 1.835 | 2.2 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.952 | 1.876 | 3.9 | 88 | 0.00 |
| 89 | T | n-Butylbenzene | 3.476 | 3.401 | 2.2 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 0.667 | 0.668 | -0.1 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.780 | 1.770 | 0.6 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.320 | 3.0 | 89 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.069 | 1.031 | 3.6 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.381 | 0.352 | 7.6 | 87 | 0.00 |
| 95 | T | Naphthalene | 3.786 | 3.752 | 0.9 | 88 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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**LabSampleId :**
VSTDCCC050

Quant Time: Aug 27 01:46:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.045 | 0.985 | 5.7 | 86 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 5