# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120925\
Data File : VN088471.D
Acq On : 09 Dec 2025 10:47
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 10 05:02:51 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 92 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.751 | 0.768 | -2.3 | 95 | 0.00 |
| 3 | P | Chloromethane | 0.807 | 0.782 | 3.1 | 90 | 0.00 |
| 4 | C | Vinyl Chloride | 0.821 | 0.786 | 4.3# | 89 | 0.00 |
| 5 | T | Bromomethane | 0.395 | 0.374 | 5.3 | 87 | 0.00 |
| 6 | T | Chloroethane | 0.508 | 0.522 | -2.8 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.153 | 1.226 | -6.3 | 103 | 0.00 |
| 8 | T | Diethyl Ether | 0.433 | 0.446 | -3.0 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.614 | 0.638 | -3.9 | 104 | 0.01 |
| 10 | T | Methyl Iodide | 0.608 | 0.492 | 19.1 | 68 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.150 | 0.119 | 20.7 | 68 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.610 | 0.604 | 1.0# | 98 | 0.00 |
| 13 | T | Acrolein | 0.144 | 0.136 | 5.6 | 83 | 0.00 |
| 14 | T | Allyl chloride | 1.131 | 1.142 | -1.0 | 92 | 0.00 |
| 15 | T | Acrylonitrile | 0.434 | 0.461 | -6.2 | 91 | 0.00 |
| 16 | T | Acetone | 0.341 | 0.275 | 19.4 | 76 | 0.00 |
| 17 | T | Carbon Disulfide | 1.993 | 1.889 | 5.2 | 88 | 0.00 |
| 18 | T | Methyl Acetate | 1.014 | 1.115 | -10.0 | 98 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.285 | 2.532 | -10.8 | 93 | 0.00 |
| 20 | T | Methylene Chloride | 0.729 | 0.736 | -1.0 | 90 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.676 | 0.700 | -3.6 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 2.414 | 2.740 | -13.5 | 98 | 0.00 |
| 23 | T | Vinyl Acetate | 1.945 | 2.174 | -11.8 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.367 | 1.473 | -7.8 | 95 | 0.00 |
| 25 | T | 2-Butanone | 0.548 | 0.525 | 4.2 | 81 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.180 | 1.298 | -10.0 | 99 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.785 | 0.821 | -4.6 | 91 | 0.00 |
| 28 | T | Bromochloromethane | 0.681 | 0.688 | -1.0 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.393 | 0.434 | -10.4 | 93 | 0.00 |
| 30 | C | Chloroform | 1.343 | 1.490 | -10.9# | 99 | 0.00 |
| 31 | T | Cyclohexane | 1.239 | 1.268 | -2.3 | 103 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.181 | 1.278 | -8.2 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.942 | 0.945 | -0.3 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.346 | 0.341 | 1.4 | 85 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.535 | 0.552 | -3.2 | 98 | 0.00 |
| 37 | T | Ethyl Acetate | 0.703 | 0.755 | -7.4 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.532 | 0.598 | -12.4 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 0.572 | 0.557 | 2.6 | 92 | 0.00 |
| 40 | TM | Benzene | 1.570 | 1.677 | -6.8 | 94 | 0.00 |
| 41 | T | Methacrylonitrile | 0.348 | 0.407 | -17.0 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.599 | 0.700 | -16.9 | 100 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.074 | 1.165 | -8.5 | 91 | 0.00 |
| 44 | TM | Trichloroethene | 0.371 | 0.365 | 1.6 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.402 | 0.447 | -11.2# | 96 | 0.00 |
| 46 | T | Dibromomethane | 0.287 | 0.314 | -9.4 | 94 | 0.00 |
| 47 | T | Bromodichloromethane | 0.586 | 0.659 | -12.5 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 0.490 | 0.563 | -14.9 | 96 | 0.00 |

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

Quant Time: Dec 10 05:02:51 2025
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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 | 0.006 | 0.005 | 16.7 | 69 | 0.00 |
| 50 | S | Toluene-d8 | 1.289 | 1.242 | 3.6 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.633 | 0.719 | -13.6 | 93 | 0.00 |
| 52 | CM | Toluene | 0.906 | 1.008 | -11.3# | 97 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.601 | 0.655 | -9.0 | 91 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.632 | 0.711 | -12.5 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.351 | 0.397 | -13.1 | 98 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.554 | 0.655 | -18.2 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.633 | 0.709 | -12.0 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.319 | 0.365 | -14.4 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 0.399 | 0.452 | -13.3 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 0.400 | 0.449 | -12.2 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.355 | 0.390 | -9.9 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.442 | 0.428 | 3.2 | 84 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 0.396 | 0.344 | 13.1 | 82 | 0.00 |
| 65 | PM | Chlorobenzene | 1.123 | 1.153 | -2.7 | 94 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.379 | 0.408 | -7.7 | 96 | -0.01 |
| 67 | C | Ethyl Benzene | 1.963 | 2.050 | -4.4# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 0.728 | 0.770 | -5.8 | 94 | 0.00 |
| 69 | T | o-Xylene | 0.694 | 0.721 | -3.9 | 93 | 0.00 |
| 70 | T | Styrene | 1.127 | 1.265 | -12.2 | 95 | 0.00 |
| 71 | P | Bromoform | 0.277 | 0.306 | -10.5 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 3.697 | 3.950 | -6.8 | 96 | 0.00 |
| 74 | T | N-amyl acetate | 1.259 | 1.467 | -16.5 | 123 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.195 | 1.328 | -11.1 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.171 | 1.192 | -1.8 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.846 | 0.912 | -7.8 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 4.523 | 4.754 | -5.1 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.762 | 2.856 | -3.4 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.063 | 3.215 | -5.0 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.413 | 0.472 | -14.3 | 96 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.743 | 3.038 | -10.8 | 93 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.604 | 2.572 | 1.2 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.045 | 3.297 | -8.3 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.741 | 3.731 | 0.3 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.068 | 3.071 | -0.1 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.647 | 1.703 | -3.4 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.725 | 1.721 | 0.2 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 2.979 | 2.822 | 5.3 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 0.560 | 0.551 | 1.6 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.550 | 1.639 | -5.7 | 95 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.290 | 0.302 | -4.1 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.921 | 0.845 | 8.3 | 83 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.331 | 0.279 | 15.7 | 82 | 0.00 |
| 95 | T | Naphthalene | 3.190 | 3.169 | 0.7 | 84 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.896 | 0.842 | 6.0 | 84 | 0.00 |

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