# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN043025\
Data File : VN086449.D
Acq On : 30 Apr 2025 20:19
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: May 01 01:37:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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 | 80 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.593 | 0.524 | 11.6 | 71 | 0.00 |
| 3 | P | Chloromethane | 0.861 | 0.721 | 16.3 | 76 | 0.00 |
| 4 | C | Vinyl Chloride | 0.822 | 0.723 | 12.0# | 73 | 0.00 |
| 5 | T | Bromomethane | 0.370 | 0.395 | -6.8 | 88 | 0.00 |
| 6 | T | Chloroethane | 0.550 | 0.498 | 9.5 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.911 | 0.834 | 8.5 | 77 | 0.00 |
| 8 | T | Diethyl Ether | 0.398 | 0.345 | 13.3 | 73 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.551 | 0.493 | 10.5 | 75 | 0.00 |
| 10 | T | Methyl Iodide | 0.606 | 0.665 | -9.7 | 88 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.132 | 0.117 | 11.4 | 75 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.588 | 0.523 | 11.1# | 76 | 0.00 |
| 13 | T | Acrolein | 0.075 | 0.049 | 34.7# | 64 | 0.00 |
| 14 | T | Allyl chloride | 1.046 | 0.741 | 29.2# | 63 | 0.00 |
| 15 | T | Acrylonitrile | 0.327 | 0.295 | 9.8 | 74 | 0.00 |
| 16 | T | Acetone | 0.290 | 0.242 | 16.6 | 77 | 0.00 |
| 17 | T | Carbon Disulfide | 1.762 | 1.360 | 22.8 | 69 | 0.00 |
| 18 | T | Methyl Acetate | 0.870 | 0.672 | 22.8 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.163 | 1.891 | 12.6 | 75 | 0.00 |
| 20 | T | Methylene Chloride | 0.670 | 0.618 | 7.8 | 80 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.615 | 0.561 | 8.8 | 78 | 0.00 |
| 22 | T | Diisopropyl ether | 2.276 | 1.905 | 16.3 | 72 | 0.00 |
| 23 | T | Vinyl Acetate | 1.591 | 1.352 | 15.0 | 73 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.201 | 1.073 | 10.7 | 75 | 0.00 |
| 25 | T | 2-Butanone | 0.451 | 0.391 | 13.3 | 73 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.075 | 0.693 | 35.5# | 56 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.764 | 0.702 | 8.1 | 78 | 0.00 |
| 28 | T | Bromochloromethane | 0.509 | 0.444 | 12.8 | 71 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.302 | 0.258 | 14.6 | 73 | 0.00 |
| 30 | C | Chloroform | 1.180 | 1.098 | 6.9# | 79 | 0.00 |
| 31 | T | Cyclohexane | 1.175 | 0.959 | 18.4 | 72 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.009 | 0.953 | 5.6 | 80 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.725 | 0.708 | 2.3 | 78 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.232 | 0.223 | 3.9 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.463 | 0.422 | 8.9 | 76 | 0.00 |
| 37 | T | Ethyl Acetate | 0.488 | 0.415 | 15.0 | 74 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.441 | 0.426 | 3.4 | 81 | 0.00 |
| 39 | T | Methylcyclohexane | 0.551 | 0.475 | 13.8 | 72 | 0.00 |
| 40 | TM | Benzene | 1.485 | 1.361 | 8.4 | 77 | 0.00 |
| 41 | T | Methacrylonitrile | 0.283 | 0.228 | 19.4 | 69 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.474 | 0.448 | 5.5 | 81 | 0.00 |
| 43 | T | Isopropyl Acetate | 1.177 | 0.823 | 30.1# | 76 | 0.00 |
| 44 | TM | Trichloroethene | 0.352 | 0.325 | 7.7 | 77 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.364 | 0.328 | 9.9# | 75 | 0.00 |
| 46 | T | Dibromomethane | 0.232 | 0.227 | 2.2 | 80 | 0.00 |
| 47 | T | Bromodichloromethane | 0.500 | 0.475 | 5.0 | 80 | 0.00 |
| 48 | T | Methyl methacrylate | 0.429 | 0.363 | 15.4 | 73 | 0.00 |

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: May 01 01:37:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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 | 0.007 | 0.0 | 88 | 0.00 |
| 50 | S | Toluene-d8 | 1.240 | 1.236 | 0.3 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.500 | 0.458 | 8.4 | 76 | 0.00 |
| 52 | CM | Toluene | 0.927 | 0.896 | 3.3# | 80 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.558 | 0.510 | 8.6 | 75 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.613 | 0.525 | 14.4 | 73 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.333 | 0.320 | 3.9 | 80 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.613 | 0.566 | 7.7 | 78 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.592 | 0.571 | 3.5 | 81 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.291 | 0.250 | 14.1 | 70 | 0.00 |
| 59 | T | 2-Hexanone | 0.371 | 0.344 | 7.3 | 78 | 0.00 |
| 60 | T | Dibromochloromethane | 0.366 | 0.363 | 0.8 | 82 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.336 | 0.338 | -0.6 | 83 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.452 | 0.452 | 0.0 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 64 | T | Tetrachloroethene | 0.385 | 0.324 | 15.8 | 74 | 0.00 |
| 65 | PM | Chlorobenzene | 1.116 | 1.025 | 8.2 | 82 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.368 | 0.346 | 6.0 | 84 | 0.00 |
| 67 | C | Ethyl Benzene | 2.014 | 1.851 | 8.1# | 81 | 0.00 |
| 68 | T | m/p-Xylenes | 0.754 | 0.712 | 5.6 | 83 | 0.00 |
| 69 | T | o-Xylene | 0.746 | 0.703 | 5.8 | 83 | 0.00 |
| 70 | T | Styrene | 1.243 | 1.200 | 3.5 | 83 | 0.00 |
| 71 | P | Bromoform | 0.277 | 0.270 | 2.5 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 4.090 | 3.750 | 8.3 | 84 | 0.00 |
| 74 | T | N-amyl acetate | 2.036 | 1.694 | 16.8 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.176 | 1.130 | 3.9 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.180 | 1.061 | 10.1 | 85 | 0.00 |
| 77 | T | Bromobenzene | 0.906 | 0.880 | 2.9 | 86 | 0.00 |
| 78 | T | n-propylbenzene | 4.820 | 4.362 | 9.5 | 81 | 0.00 |
| 79 | T | 2-Chlorotoluene | 3.016 | 2.729 | 9.5 | 82 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.348 | 3.066 | 8.4 | 83 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.491 | 0.399 | 18.7 | 72 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.996 | 2.718 | 9.3 | 81 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.901 | 2.586 | 10.9 | 83 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.408 | 3.092 | 9.3 | 81 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.023 | 3.599 | 10.5 | 80 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.316 | 2.986 | 10.0 | 79 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.704 | 1.603 | 5.9 | 83 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.716 | 1.590 | 7.3 | 82 | 0.00 |
| 89 | T | n-Butylbenzene | 2.939 | 2.484 | 15.5 | 73 | 0.00 |
| 90 | T | Hexachloroethane | 0.558 | 0.519 | 7.0 | 83 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.652 | 1.532 | 7.3 | 82 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.237 | 0.209 | 11.8 | 78 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.791 | 0.675 | 14.7 | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.299 | 0.237 | 20.7 | 71 | 0.00 |
| 95 | T | Naphthalene | 2.804 | 2.428 | 13.4 | 76 | 0.00 |

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VSTDCCC050

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.749 | 0.657 | 12.3 | 77 | 0.00 |

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