# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111125\
Data File : VU063707.D
Acq On : 11 Nov 2025 15:46
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 12 02:12:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 01:41:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.302 | 0.265 | 12.3 | 85 | 0.00 |
| 3 | P | Chloromethane | 0.351 | 0.287 | 18.2 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 0.371 | 0.337 | 9.2# | 87 | 0.00 |
| 5 | T | Bromomethane | 0.261 | 0.247 | 5.4 | 95 | 0.00 |
| 6 | T | Chloroethane | 0.281 | 0.265 | 5.7 | 91 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.711 | 0.670 | 5.8 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 0.302 | 0.300 | 0.7 | 94 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.452 | 0.435 | 3.8 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 0.450 | 0.498 | -10.7 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.172 | 0.167 | 2.9 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.389 | 0.362 | 6.9# | 89 | 0.00 |
| 13 | T | Acrolein | 0.014 | 0.011 | 21.4# | 82 | 0.00 |
| 14 | T | Allyl chloride | 0.725 | 0.698 | 3.7 | 89 | 0.00 |
| 15 | T | Acrylonitrile | 0.353 | 0.378 | -7.1 | 93 | 0.00 |
| 16 | T | Acetone | 0.483 | 0.408 | 15.5 | 88 | 0.00 |
| 17 | T | Carbon Disulfide | 0.572 | 0.446 | 22.0# | 82 | 0.00 |
| 18 | T | Methyl Acetate | 1.146 | 1.346 | -17.5 | 91 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.754 | 1.853 | -5.6 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 0.551 | 0.515 | 6.5 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.399 | 0.371 | 7.0 | 88 | 0.00 |
| 22 | T | Diisopropyl ether | 1.597 | 1.611 | -0.9 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 1.089 | 1.083 | 0.6 | 90 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 0.921 | 0.914 | 0.8 | 91 | 0.00 |
| 25 | T | 2-Butanone | 0.509 | 0.504 | 1.0 | 89 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.791 | 0.737 | 6.8 | 84 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.583 | 0.577 | 1.0 | 91 | 0.00 |
| 28 | T | Bromochloromethane | 0.369 | 0.428 | -16.0 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.296 | 0.299 | -1.0 | 90 | 0.00 |
| 30 | C | Chloroform | 1.009 | 1.047 | -3.8# | 95 | 0.00 |
| 31 | T | Cyclohexane | 0.650 | 0.573 | 11.8 | 87 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.828 | 0.816 | 1.4 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.739 | 0.737 | 0.3 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.350 | 0.357 | -2.0 | 93 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.356 | 0.327 | 8.1 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 0.505 | 0.504 | 0.2 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.385 | 0.346 | 10.1 | 84 | 0.00 |
| 39 | T | Methylcyclohexane | 0.405 | 0.381 | 5.9 | 89 | 0.00 |
| 40 | TM | Benzene | 1.150 | 1.122 | 2.4 | 91 | 0.00 |
| 41 | T | Methacrylonitrile | 0.262 | 0.269 | -2.7 | 91 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.454 | 0.472 | -4.0 | 95 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.740 | 0.759 | -2.6 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 0.323 | 0.299 | 7.4 | 89 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.313 | 0.315 | -0.6# | 91 | 0.00 |
| 46 | T | Dibromomethane | 0.235 | 0.240 | -2.1 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 0.476 | 0.489 | -2.7 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 0.363 | 0.375 | -3.3 | 93 | 0.00 |

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ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**LabSampleId :**
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U111025W.M
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.010 | 0.009 | 10.0 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 1.258 | 1.191 | 5.3 | 87 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.566 | 0.582 | -2.8 | 92 | 0.00 |
| 52 | CM | Toluene | 0.746 | 0.739 | 0.9# | 91 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.401 | 0.378 | 5.7 | 88 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.449 | 0.439 | 2.2 | 88 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.343 | 0.357 | -4.1 | 95 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.505 | 0.548 | -8.5 | 96 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.559 | 0.577 | -3.2 | 95 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.006 | 0.006 | 0.0 | 97 | 0.00 |
| 59 | T | 2-Hexanone | 0.422 | 0.428 | -1.4 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 0.359 | 0.362 | -0.8 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.330 | 0.340 | -3.0 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.520 | 0.521 | -0.2 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 0.323 | 0.314 | 2.8 | 89 | 0.00 |
| 65 | PM | Chlorobenzene | 0.977 | 0.946 | 3.2 | 91 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.332 | 0.324 | 2.4 | 89 | 0.00 |
| 67 | C | Ethyl Benzene | 1.627 | 1.584 | 2.6# | 90 | 0.00 |
| 68 | T | m/p-Xylenes | 0.601 | 0.597 | 0.7 | 90 | 0.00 |
| 69 | T | o-Xylene | 0.620 | 0.612 | 1.3 | 91 | 0.00 |
| 70 | T | Styrene | 0.996 | 1.027 | -3.1 | 91 | 0.00 |
| 71 | P | Bromoform | 0.268 | 0.270 | -0.7 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 3.141 | 2.862 | 8.9 | 91 | 0.00 |
| 74 | T | N-amyl acetate | 1.094 | 0.982 | 10.2 | 85 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.206 | 1.122 | 7.0 | 94 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 1.260 | 1.130 | 10.3 | 90 | 0.00 |
| 77 | T | Bromobenzene | 0.790 | 0.716 | 9.4 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 3.604 | 3.280 | 9.0 | 89 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.329 | 2.084 | 10.5 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.634 | 2.433 | 7.6 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.237 | 0.210 | 11.4 | 83 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.647 | 2.387 | 9.8 | 91 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.744 | 2.495 | 9.1 | 91 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.585 | 2.370 | 8.3 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.466 | 3.152 | 9.1 | 89 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.782 | 2.555 | 8.2 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.485 | 1.389 | 6.5 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.554 | 1.388 | 10.7 | 91 | 0.00 |
| 89 | T | n-Butylbenzene | 2.555 | 2.206 | 13.7 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 0.424 | 0.364 | 14.2 | 84 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.483 | 1.384 | 6.7 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.247 | 0.230 | 6.9 | 87 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.945 | 0.836 | 11.5 | 86 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.476 | 0.430 | 9.7 | 89 | 0.00 |
| 95 | T | Naphthalene | 2.560 | 2.284 | 10.8 | 78 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.879 | 0.794 | 9.7 | 85 | 0.00 |

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