Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080125\
Data File : VX047214.D
Acq On : 01 Aug 2025 18:07
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Aug 02 00:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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 | 82 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.664 | 0.607 | 8.6 | 65 | 0.00 |
| 3 | P | Chloromethane | 0.657 | 0.524 | 20.2 | 61 | 0.00 |
| 4 | C | Vinyl Chloride | 0.706 | 0.654 | 7.4# | 69 | 0.00 |
| 5 | T | Bromomethane | 0.384 | 0.311 | 19.0 | 57 | 0.01 |
| 6 | T | Chloroethane | 0.464 | 0.376 | 19.0 | 65 | 0.00 |
| 7 | T | Trichlorofluoromethane | 1.053 | 0.998 | 5.2 | 71 | 0.00 |
| 8 | T | Diethyl Ether | 0.371 | 0.348 | 6.2 | 73 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.634 | 0.598 | 5.7 | 73 | 0.00 |
| 10 | T | Methyl Iodide | 0.647 | 0.864 | -33.5# | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.080 | 0.055 | 31.3# | 62 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.628 | 0.573 | 8.8# | 70 | 0.00 |
| 13 | T | Acrolein | 0.134 | 0.122 | 9.0 | 72 | 0.00 |
| 14 | T | Allyl chloride | 1.136 | 0.971 | 14.5 | 64 | 0.00 |
| 15 | T | Acrylonitrile | 0.297 | 0.264 | 11.1 | 66 | 0.00 |
| 16 | T | Acetone | 0.250 | 0.203 | 18.8 | 66 | 0.00 |
| 17 | T | Carbon Disulfide | 1.818 | 1.428 | 21.5 | 60 | 0.00 |
| 18 | T | Methyl Acetate | 0.663 | 0.719 | -8.4 | 86 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.912 | 1.826 | 4.5 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 0.686 | 0.626 | 8.7 | 71 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.643 | 0.592 | 7.9 | 70 | 0.00 |
| 22 | T | Diisopropyl ether | 2.184 | 2.145 | 1.8 | 74 | 0.00 |
| 23 | T | Vinyl Acetate | 1.752 | 1.657 | 5.4 | 70 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.214 | 1.164 | 4.1 | 73 | 0.00 |
| 25 | T | 2-Butanone | 0.363 | 0.306 | 15.7 | 64 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.940 | 0.868 | 7.7 | 73 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.761 | 0.719 | 5.5 | 73 | 0.00 |
| 28 | T | Bromochloromethane | 0.559 | 0.569 | -1.8 | 76 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.234 | 0.197 | 15.8 | 63 | 0.00 |
| 30 | C | Chloroform | 1.236 | 1.194 | 3.4# | 76 | 0.00 |
| 31 | T | Cyclohexane | 1.164 | 1.014 | 12.9 | 68 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.074 | 1.021 | 4.9 | 74 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.623 | 0.576 | 7.5 | 82 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.309 | 0.302 | 2.3 | 85 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.526 | 0.480 | 8.7 | 73 | 0.00 |
| 37 | T | Ethyl Acetate | 0.485 | 0.418 | 13.8 | 68 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.562 | 0.527 | 6.2 | 74 | 0.00 |
| 39 | T | Methylcyclohexane | 0.657 | 0.584 | 11.1 | 70 | 0.00 |
| 40 | TM | Benzene | 1.523 | 1.424 | 6.5 | 72 | 0.00 |
| 41 | T | Methacrylonitrile | 0.254 | 0.221 | 13.0 | 63 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.536 | 0.516 | 3.7 | 75 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.756 | 0.702 | 7.1 | 69 | 0.00 |
| 44 | TM | Trichloroethene | 0.391 | 0.355 | 9.2 | 70 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.381 | 0.364 | 4.5# | 74 | 0.00 |
| 46 | T | Dibromomethane | 0.267 | 0.261 | 2.2 | 74 | 0.00 |
| 47 | T | Bromodichloromethane | 0.569 | 0.559 | 1.8 | 76 | 0.00 |
| 48 | T | Methyl methacrylate | 0.412 | 0.369 | 10.4 | 70 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Aug 02 00:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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 | 0.005 | 0.004 | 20.0 | 57 | 0.07 |
| 50 | S | Toluene-d8 | 1.000 | 0.901 | 9.9 | 81 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.449 | 0.403 | 10.2 | 68 | 0.00 |
| 52 | CM | Toluene | 0.936 | 0.886 | 5.3# | 73 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.538 | 0.518 | 3.7 | 73 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.588 | 0.565 | 3.9 | 72 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.351 | 0.342 | 2.6 | 76 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.520 | 0.513 | 1.3 | 72 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.610 | 0.585 | 4.1 | 75 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.289 | 0.267 | 7.6 | 69 | 0.00 |
| 59 | T | 2-Hexanone | 0.297 | 0.269 | 9.4 | 65 | 0.00 |
| 60 | T | Dibromochloromethane | 0.412 | 0.402 | 2.4 | 76 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.367 | 0.338 | 7.9 | 71 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.431 | 0.407 | 5.6 | 83 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 64 | T | Tetrachloroethene | 0.360 | 0.320 | 11.1 | 71 | 0.00 |
| 65 | PM | Chlorobenzene | 1.171 | 1.105 | 5.6 | 75 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.394 | 0.383 | 2.8 | 76 | 0.00 |
| 67 | C | Ethyl Benzene | 2.048 | 1.943 | 5.1# | 73 | 0.00 |
| 68 | T | m/p-Xylenes | 0.766 | 0.723 | 5.6 | 73 | 0.00 |
| 69 | T | o-Xylene | 0.729 | 0.696 | 4.5 | 74 | 0.00 |
| 70 | T | Styrene | 1.250 | 1.218 | 2.6 | 74 | 0.00 |
| 71 | P | Bromoform | 0.300 | 0.275 | 8.3 | 70 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 3.945 | 3.833 | 2.8 | 74 | 0.00 |
| 74 | T | N-amyl acetate | 1.592 | 1.443 | 9.4 | 67 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.127 | 1.061 | 5.9 | 73 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.925 | 0.851 | 8.0 | 71 | 0.00 |
| 77 | T | Bromobenzene | 0.946 | 0.918 | 3.0 | 75 | 0.00 |
| 78 | T | n-propylbenzene | 4.714 | 4.601 | 2.4 | 75 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.818 | 2.730 | 3.1 | 75 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.259 | 3.176 | 2.5 | 75 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.359 | 0.207 | 42.3# | 44# | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.289 | 3.204 | 2.6 | 75 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.271 | 3.242 | 0.9 | 75 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.251 | 3.200 | 1.6 | 74 | 0.00 |
| 85 | T | sec-Butylbenzene | 4.087 | 3.989 | 2.4 | 75 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.389 | 3.342 | 1.4 | 75 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.798 | 1.714 | 4.7 | 75 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.821 | 1.723 | 5.4 | 76 | 0.00 |
| 89 | T | n-Butylbenzene | 3.178 | 3.147 | 1.0 | 76 | 0.00 |
| 90 | T | Hexachloroethane | 0.606 | 0.594 | 2.0 | 75 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.718 | 1.645 | 4.2 | 75 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.216 | 0.200 | 7.4 | 70 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.135 | 1.095 | 3.5 | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.386 | 0.397 | -2.8 | 81 | 0.00 |
| 95 | T | Naphthalene | 3.328 | 3.194 | 4.0 | 71 | 0.00 |

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Aug 02 00:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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 | 1.094 | 1.045 | 4.5 | 74 | 0.00 |

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