# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
Data File : VW032415.D
Acq On : 11 Nov 2025 08:31
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 12 03:39:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 11 03:48:21 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 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.254 | 0.230 | 9.4 | 87 | 0.00 |
| 3 | P | Chloromethane | 0.435 | 0.408 | 6.2 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 0.549 | 0.558 | -1.6# | 98 | 0.00 |
| 5 | T | Bromomethane | 0.367 | 0.372 | -1.4 | 98 | 0.00 |
| 6 | T | Chloroethane | 0.359 | 0.355 | 1.1 | 94 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.430 | 0.384 | 10.7 | 79 | 0.00 |
| 8 | T | Diethyl Ether | 0.352 | 0.337 | 4.3 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.469 | 0.477 | -1.7 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 0.755 | 0.748 | 0.9 | 95 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.056 | 0.049 | 12.5 | 86 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 0.537 | 0.550 | -2.4# | 96 | 0.00 |
| 13 | T | Acrolein | 0.094 | 0.085 | 9.6 | 88 | 0.00 |
| 14 | T | Allyl chloride | 1.034 | 1.050 | -1.5 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 0.203 | 0.187 | 7.9 | 87 | 0.00 |
| 16 | T | Acetone | 0.193 | 0.206 | -6.7 | 104 | 0.00 |
| 17 | T | Carbon Disulfide | 1.588 | 1.648 | -3.8 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 0.478 | 0.417 | 12.8 | 85 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.133 | 1.115 | 1.6 | 92 | 0.00 |
| 20 | T | Methylene Chloride | 0.690 | 0.644 | 6.7 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.615 | 0.612 | 0.5 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 2.104 | 2.105 | -0.0 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 1.442 | 1.412 | 2.1 | 91 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.153 | 1.157 | -0.3 | 95 | 0.00 |
| 25 | T | 2-Butanone | 0.284 | 0.267 | 6.0 | 90 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.643 | 0.647 | -0.6 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.734 | 0.737 | -0.4 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 0.545 | 0.521 | 4.4 | 98 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.180 | 0.162 | 10.0 | 84 | 0.00 |
| 30 | C | Chloroform | 1.129 | 1.128 | 0.1# | 96 | 0.00 |
| 31 | T | Cyclohexane | 1.066 | 1.033 | 3.1 | 95 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.806 | 0.818 | -1.5 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.645 | 0.618 | 4.2 | 96 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.299 | 0.293 | 2.0 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.441 | 0.442 | -0.2 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 0.328 | 0.307 | 6.4 | 89 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.392 | 0.390 | 0.5 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 0.571 | 0.573 | -0.4 | 93 | 0.00 |
| 40 | TM | Benzene | 1.420 | 1.398 | 1.5 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 0.180 | 0.173 | 3.9 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.417 | 0.397 | 4.8 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.581 | 0.541 | 6.9 | 87 | 0.00 |
| 44 | TM | Trichloroethene | 0.331 | 0.317 | 4.2 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.354 | 0.348 | 1.7# | 95 | 0.00 |
| 46 | T | Dibromomethane | 0.207 | 0.197 | 4.8 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 0.471 | 0.467 | 0.8 | 94 | 0.00 |
| 48 | T | Methyl methacrylate | 0.276 | 0.247 | 10.5 | 80 | 0.00 |

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.003 | 0.002 | 33.3# | 79 | 0.00 |
| 50 | S | Toluene-d8 | 1.148 | 1.160 | -1.0 | 100 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.321 | 0.295 | 8.1 | 85 | 0.00 |
| 52 | CM | Toluene | 0.877 | 0.857 | 2.3# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.486 | 0.482 | 0.8 | 93 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.562 | 0.559 | 0.5 | 94 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.284 | 0.267 | 6.0 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.435 | 0.413 | 5.1 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.506 | 0.482 | 4.7 | 90 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.232 | 0.224 | 3.4 | 96 | 0.00 |
| 59 | T | 2-Hexanone | 0.235 | 0.217 | 7.7 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 0.317 | 0.315 | 0.6 | 96 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.276 | 0.262 | 5.1 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.434 | 0.421 | 3.0 | 99 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 64 | T | Tetrachloroethene | 0.296 | 0.304 | -2.7 | 97 | 0.00 |
| 65 | PM | Chlorobenzene | 1.078 | 1.089 | -1.0 | 92 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.334 | 0.336 | -0.6 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 1.865 | 1.926 | -3.3# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 0.700 | 0.720 | -2.9 | 94 | 0.00 |
| 69 | T | o-Xylene | 0.670 | 0.690 | -3.0 | 97 | 0.00 |
| 70 | T | Styrene | 1.153 | 1.208 | -4.8 | 96 | 0.00 |
| 71 | P | Bromoform | 0.198 | 0.193 | 2.5 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 3.672 | 3.829 | -4.3 | 94 | 0.00 |
| 74 | T | N-amyl acetate | 1.276 | 1.250 | 2.0 | 87 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 0.871 | 0.837 | 3.9 | 88 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.686 | 0.597 | 13.0 | 87 | 0.00 |
| 77 | T | Bromobenzene | 0.869 | 0.872 | -0.3 | 90 | 0.00 |
| 78 | T | n-propylbenzene | 4.472 | 4.626 | -3.4 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.730 | 2.814 | -3.1 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.030 | 3.265 | -7.8 | 98 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.299 | 0.297 | 0.7 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.839 | 2.915 | -2.7 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.635 | 2.737 | -3.9 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.081 | 3.209 | -4.2 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.925 | 4.120 | -5.0 | 96 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.241 | 3.364 | -3.8 | 95 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.648 | 1.714 | -4.0 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.689 | 1.688 | 0.1 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 3.166 | 3.326 | -5.1 | 96 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.597 | -2.2 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.513 | 1.494 | 1.3 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.150 | 0.139 | 7.3 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.963 | 0.953 | 1.0 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.400 | 0.408 | -2.0 | 94 | 0.00 |
| 95 | T | Naphthalene | 2.401 | 2.319 | 3.4 | 87 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.874 | 0.833 | 4.7 | 90 | 0.00 |

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