# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039326.D
Acq On : 04 Nov 2025 19:39
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 05 00:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 40.811 | 18.4 | 72 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.329 | 17.3 | 77 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 41.524 | 17.0# | 78 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 28.982 | 42.0# | 56 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.315 | -2.6 | 85 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 43.263 | 13.5 | 84 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 43.029 | 13.9 | 83 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 44.017 | 12.0 | 85 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 34.621 | 30.8# | 54 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 184.499 | 26.2# | 71 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 42.086 | 15.8# | 84 | 0.00 |
| 13 | T | Acrolein | 250.000 | 146.085 | 41.6# | 53 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 42.520 | 15.0 | 82 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 207.081 | 17.2 | 82 | 0.00 |
| 16 | T | Acetone | 250.000 | 220.843 | 11.7 | 72 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.293 | 13.4 | 87 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 39.215 | 21.6# | 73 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 44.719 | 10.6 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.063 | -4.1 | 88 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 43.469 | 13.1 | 87 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 47.476 | 5.0 | 86 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 235.471 | 5.8 | 85 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 43.000 | 14.0 | 85 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 229.021 | 8.4 | 78 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 42.335 | 15.3 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 46.903 | 6.2 | 85 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 36.387 | 27.2# | 68 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 231.885 | 7.2 | 80 | 0.00 |
| 30 | C | Chloroform | 50.000 | 44.901 | 10.2# | 88 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.865 | 6.3 | 84 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 44.717 | 10.6 | 86 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.214 | 3.6 | 87 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.071 | -2.1 | 87 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.009 | -2.0 | 87 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 46.483 | 7.0 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.681 | 2.6 | 86 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.254 | -4.5 | 82 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.677 | -1.4 | 86 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.259 | 5.5 | 79 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.070 | 5.9 | 86 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.025 | -2.0 | 82 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.420 | 1.2 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.462 | -2.9# | 85 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.493 | 5.0 | 86 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.323 | 3.4 | 86 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.519 | -5.0 | 83 | 0.00 |

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ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_V
**LabSampleId :**
VSTDCCC050

Quant Time: Nov 05 00:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 966.086 | 3.4 | 79 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.490 | -9.0 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 259.478 | -3.8 | 82 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.684 | -7.4# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.024 | -4.0 | 84 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.641 | -3.3 | 84 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.481 | 3.0 | 86 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.143 | -12.3 | 81 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.110 | -2.2 | 86 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 172.060 | 31.2# | 55 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 263.858 | -5.5 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.204 | 3.6 | 85 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.619 | -1.2 | 87 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.577 | -11.2 | 87 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.489 | -3.0 | 91 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.805 | 2.4 | 86 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 47.384 | 5.2 | 86 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.557 | -9.1# | 85 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 113.421 | -13.4 | 85 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 56.287 | -12.6 | 84 | 0.00 |
| 70 | T | Styrene | 50.000 | 60.196 | -20.4# | 87 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.357 | 3.3 | 85 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.073 | -6.1 | 85 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.631 | 0.7 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 41.820 | 16.4 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.108 | 11.8 | 85 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.456 | 1.1 | 87 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.465 | -6.9 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.065 | -4.1 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.066 | -10.1 | 86 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.378 | 11.2 | 75 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.875 | -7.8 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.253 | -2.5 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.497 | -11.0 | 86 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.997 | -6.0 | 84 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.383 | -4.8 | 83 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.296 | 1.4 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.868 | 8.3 | 86 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.296 | -4.6 | 82 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 41.397 | 17.2 | 81 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.572 | 2.9 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 40.911 | 18.2 | 81 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 50.485 | -1.0 | 82 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 40.669 | 18.7 | 77 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.415 | -4.8 | 79 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.990 | 0.0 | 82 | 0.00 |

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