# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100225\
Data File : VW032337.D
Acq On : 02 Oct 2025 16:53
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Oct 02 22:12:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.923 | 12.2 | 104 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 43.335 | 13.3 | 100 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.676 | 4.6# | 104 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.750 | 6.5 | 104 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 47.857 | 4.3 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.464 | -2.9 | 107 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.889 | -1.8 | 111 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.489 | 5.0 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.877 | 0.2 | 107 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 244.920 | 2.0 | 110 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.004 | 2.0# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 213.489 | 14.6 | 95 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.981 | 0.0 | 104 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 251.232 | -0.5 | 105 | 0.00 |
| 16 | T | Acetone | 250.000 | 226.752 | 9.3 | 100 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.303 | 3.4 | 103 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 50.828 | -1.7 | 94 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.125 | -4.3 | 108 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 56.274 | -12.5 | 118 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.851 | 0.3 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.867 | -1.7 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 253.772 | -1.5 | 107 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.857 | 2.3 | 104 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 248.793 | 0.5 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.159 | -0.3 | 107 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.808 | 0.4 | 104 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.122 | -0.2 | 104 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 258.531 | -3.4 | 105 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.093 | -0.2# | 107 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.302 | 5.4 | 107 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.160 | -0.3 | 106 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.649 | -3.3 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.626 | 2.7 | 106 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.626 | 2.7 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 48.638 | 2.7 | 105 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.310 | 3.4 | 106 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.582 | -1.2 | 110 | 0.00 |
| 40 | TM | Benzene | 50.000 | 47.762 | 4.5 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.183 | -4.4 | 108 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.392 | 1.2 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.483 | -1.0 | 108 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 47.020 | 6.0 | 104 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.974 | 2.1# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.036 | 1.9 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.628 | 2.7 | 105 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.504 | -3.0 | 108 | 0.00 |

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ALS Vial : 18 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1007.931 | -0.8 | 101 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.195 | -0.4 | 104 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.045 | -1.6 | 105 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.540 | 2.9# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.301 | -0.6 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.366 | 3.3 | 103 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.204 | 3.6 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.769 | -5.5 | 110 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.775 | 0.5 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 266.686 | -6.7 | 100 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 250.380 | -0.2 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.963 | 2.1 | 103 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.527 | 0.9 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.568 | -1.1 | 105 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.223 | 5.6 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.323 | 5.4 | 103 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.103 | 1.8 | 108 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.805 | 0.4# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 98.033 | 2.0 | 106 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.960 | 0.1 | 106 | 0.00 |
| 70 | T | Styrene | 50.000 | 50.240 | -0.5 | 105 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.343 | 3.3 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 101 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.121 | -2.2 | 106 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 52.051 | -4.1 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.374 | 3.3 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 56.813 | -13.6 | 125 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.566 | -1.1 | 103 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.915 | -1.8 | 107 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.421 | -0.8 | 106 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.173 | -0.3 | 103 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.898 | -1.8 | 100 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.502 | 1.0 | 105 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.105 | -4.2 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 50.510 | -1.0 | 104 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 48.935 | 2.1 | 103 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.628 | -1.3 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 47.913 | 4.2 | 101 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.547 | 6.9 | 102 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.119 | -2.2 | 108 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.869 | 2.3 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.275 | 1.5 | 107 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.252 | 3.5 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 51.593 | -3.2 | 114 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 43.415 | 13.2 | 101 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.795 | -7.6 | 108 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.384 | 1.2 | 105 | 0.00 |

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