# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080317.D
Acq On : 14 May 2025 12:25
Operator : RP/MD
Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 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 | 95 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 49.582 | 0.8 | 107 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.083 | 5.8 | 96 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 43.724 | 12.6# | 101 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 41.638 | 16.7 | 101 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 46.041 | 7.9 | 103 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.483 | -1.0 | 113 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.260 | 3.5 | 104 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.029 | -0.1 | 111 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 54.490 | -9.0 | 109 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 220.008 | 12.0 | 95 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.635 | 0.7# | 111 | 0.00 |
| 13 | T | Acrolein | 250.000 | 86.829 | 65.3# | 36 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.831 | 4.3 | 102 | -0.01 |
| 15 | T | Acrylonitrile | 250.000 | 239.638 | 4.1 | 103 | 0.00 |
| 16 | T | Acetone | 250.000 | 322.964 | -29.2# | 124 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 45.930 | 8.1 | 105 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 42.351 | 15.3 | 96 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.518 | -7.0 | 108 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.874 | -5.7 | 105 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.469 | -2.9 | 110 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.615 | -3.2 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 258.895 | -3.6 | 101 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.017 | -0.0 | 106 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 251.047 | -0.4 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 53.628 | -7.3 | 113 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.005 | -6.0 | 111 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 41.811 | 16.4 | 85 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 246.707 | 1.3 | 98 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.154 | -4.3# | 110 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.400 | 3.2 | 105 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 53.896 | -7.8 | 114 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 44.423 | 11.2 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.847 | -3.7 | 94 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 57.917 | -15.8 | 111 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.620 | -3.2 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 57.966 | -15.9 | 112 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 58.521 | -17.0 | 114 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.621 | -11.2 | 108 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.959 | 4.1 | 98 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.285 | -8.6 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.594 | -3.2 | 97 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.288 | -14.6 | 114 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 57.016 | -14.0# | 108 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 57.598 | -15.2 | 110 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.179 | -12.4 | 108 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.050 | -10.1 | 102 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 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 | 1109.933 | -11.0 | 104 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.495 | -3.0 | 93 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 273.148 | -9.3 | 98 | 0.00 |
| 52 | CM | Toluene | 50.000 | 59.003 | -18.0# | 110 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.672 | -11.3 | 105 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.720 | -15.4 | 108 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 57.398 | -14.8 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 58.259 | -16.5 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 57.994 | -16.0 | 110 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 258.709 | -3.5 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 282.846 | -13.1 | 101 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 59.995 | -20.0 | 112 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 57.549 | -15.1 | 112 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 51.843 | -3.7 | 94 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.917 | -15.8 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 55.357 | -10.7 | 108 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 56.704 | -13.4 | 107 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 59.028 | -18.1# | 111 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 121.965 | -22.0 | 112 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 59.279 | -18.6 | 111 | 0.00 |
| 70 | T | Styrene | 50.000 | 60.144 | -20.3 | 110 | 0.00 |
| 71 | P | Bromoform | 50.000 | 58.163 | -16.3 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 93 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 58.646 | -17.3 | 112 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.600 | -3.2 | 101 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.586 | -5.2 | 108 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.066 | 5.9 | 88 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 56.606 | -13.2 | 110 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 60.467 | -20.9 | 113 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 57.750 | -15.5 | 111 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 59.869 | -19.7 | 113 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.808 | -11.6 | 107 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 57.292 | -14.6 | 112 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 59.774 | -19.5 | 114 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 60.503 | -21.0 | 112 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 60.255 | -20.5 | 113 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 62.104 | -24.2 | 115 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 56.630 | -13.3 | 112 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 54.780 | -9.6 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 60.346 | -20.7 | 114 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.413 | -10.8 | 110 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 56.816 | -13.6 | 112 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 52.670 | -5.3 | 105 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.881 | -13.8 | 111 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 57.730 | -15.5 | 115 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 55.182 | -10.4 | 110 | 0.00 |

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Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_D
**LabSampleId :**
VSTDCCC050

Quant Time: May 15 03:32:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.967 | -11.9 | 109 | 0.00 |

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