# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
Data File : VY022759.D
Acq On : 20 Jun 2025 11:43
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 21 02:37:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 10 15:26:14 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 | 59 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 42.890 | 14.2 | 55 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.089 | -0.2 | 63 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.609 | -3.2# | 62 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 60.108 | -20.2 | 84 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 61.216 | -22.4 | 79 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.355 | -4.7 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 52.475 | -5.0 | 62 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 52.160 | -4.3 | 63 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.491 | -9.0 | 59 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 222.138 | 11.1 | 53 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.698 | -1.4# | 60 | -0.01 |
| 13 | T | Acrolein | 250.000 | 61.680 | 75.3# | 15 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.020 | -0.0 | 60 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 283.080 | -13.2 | 66 | 0.00 |
| 16 | T | Acetone | 250.000 | 238.734 | 4.5 | 55 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.928 | 4.1 | 57 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 63.265 | -26.5# | 75 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.575 | -7.2 | 63 | -0.01 |
| 20 | T | Methylene Chloride | 50.000 | 49.489 | 1.0 | 66 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.301 | -6.6 | 65 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.636 | -9.3 | 65 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 258.432 | -3.4 | 61 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 56.241 | -12.5 | 68 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 260.197 | -4.1 | 60 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.325 | -8.7 | 65 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.937 | -13.9 | 67 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 55.943 | -11.9 | 68 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 266.494 | -6.6 | 64 | 0.00 |
| 30 | C | Chloroform | 50.000 | 58.495 | -17.0# | 70 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 45.907 | 8.2 | 57 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.907 | -9.8 | 65 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.846 | -9.7 | 61 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 61 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.734 | -7.5 | 61 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.881 | -3.8 | 63 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.607 | -9.2 | 63 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.558 | -5.1 | 63 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.196 | 5.6 | 57 | 0.00 |
| 40 | TM | Benzene | 50.000 | 54.731 | -9.5 | 66 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.129 | -4.3 | 64 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.442 | -12.9 | 69 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.243 | -4.5 | 62 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.668 | -5.3 | 63 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.207 | -12.4# | 68 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 56.499 | -13.0 | 68 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.571 | -13.1 | 68 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.081 | -2.2 | 62 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_Y
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 21 02:37:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
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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 | 921.671 | 7.8 | 58 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.424 | -4.8 | 60 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 276.913 | -10.8 | 65 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.672 | -9.3# | 67 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.430 | -6.9 | 64 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.689 | -9.4 | 65 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 56.296 | -12.6 | 69 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.650 | -5.3 | 62 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.094 | -12.2 | 68 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 257.858 | -3.1 | 63 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 265.168 | -6.1 | 62 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.346 | -12.7 | 68 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.260 | -12.5 | 68 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.906 | -1.8 | 60 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 62 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 58.691 | -17.4 | 72 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.114 | -8.2 | 67 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.341 | -10.7 | 68 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.869 | -5.7# | 65 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.752 | -5.8 | 65 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.816 | -7.6 | 67 | 0.00 |
| 70 | T | Styrene | 50.000 | 54.203 | -8.4 | 66 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.281 | -6.6 | 66 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 62 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.154 | -4.3 | 65 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.099 | -0.2 | 60 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.948 | -7.9 | 66 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.018 | -0.0 | 57 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.730 | -7.5 | 67 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.597 | -5.2 | 65 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.894 | -5.8 | 65 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.791 | -5.6 | 65 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.306 | 1.4 | 62 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.107 | -6.2 | 65 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.113 | -4.2 | 65 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.157 | -6.3 | 66 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.835 | -3.7 | 64 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 52.850 | -5.7 | 66 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 54.656 | -9.3 | 69 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.109 | -6.2 | 66 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.275 | -4.5 | 64 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.637 | -9.3 | 68 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 54.964 | -9.9 | 67 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.481 | -11.0 | 64 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 53.376 | -6.8 | 66 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.038 | -6.1 | 66 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 53.912 | -7.8 | 65 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.774 | -7.5 | 67 | 0.00 |

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