# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021725\
Data File : VY021224.D
Acq On : 17 Feb 2025 16:34
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 18 00:49:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 03 13:08:38 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 | 83 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 47.857 | 4.3 | 79 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 52.823 | -5.6 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.905 | -9.8# | 95 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 53.763 | -7.5 | 95 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 58.467 | -16.9 | 100 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 52.418 | -4.8 | 89 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.029 | -8.1 | 93 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.741 | -3.5 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.590 | -11.2 | 88 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 229.356 | 8.3 | 83 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.279 | -6.6# | 90 | 0.00 |
| 13 | T | Acrolein | 250.000 | 137.411 | 45.0# | 46 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 56.831 | -13.7 | 94 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 274.480 | -9.8 | 90 | 0.01 |
| 16 | T | Acetone | 250.000 | 268.485 | -7.4 | 92 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.343 | 1.3 | 83 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 58.740 | -17.5 | 95 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.479 | -13.0 | 93 | 0.01 |
| 20 | T | Methylene Chloride | 50.000 | 55.855 | -11.7 | 95 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 54.337 | -8.7 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 59.225 | -18.5 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 283.748 | -13.5 | 92 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 57.408 | -14.8 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 271.196 | -8.5 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 54.226 | -8.5 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 56.933 | -13.9 | 95 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 56.180 | -12.4 | 86 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 269.918 | -8.0 | 87 | 0.00 |
| 30 | C | Chloroform | 50.000 | 57.734 | -15.5# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.114 | -0.2 | 88 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.031 | -12.1 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 53.294 | -6.6 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.608 | -3.2 | 89 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.020 | -6.0 | 92 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.452 | -6.9 | 90 | 0.01 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.467 | -6.9 | 92 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.984 | -4.0 | 87 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.654 | -11.3 | 95 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 44.747 | 10.5 | 82 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 55.699 | -11.4 | 96 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.498 | -9.0 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 53.366 | -6.7 | 93 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.906 | -13.8# | 98 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.326 | -8.7 | 93 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.944 | -13.9 | 98 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.291 | -10.6 | 92 | 0.00 |

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ALS Vial : 13 Sample Multiplier: 1

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

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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 | 1109.106 | -10.9 | 91 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.483 | -3.0 | 88 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 273.870 | -9.5 | 89 | 0.00 |
| 52 | CM | Toluene | 50.000 | 55.922 | -11.8# | 95 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.408 | -12.8 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 56.732 | -13.5 | 96 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.827 | -9.7 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.724 | -13.4 | 90 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.941 | -11.9 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 262.579 | -5.0 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 278.405 | -11.4 | 88 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.265 | -10.5 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.654 | -9.3 | 91 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.108 | -10.2 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 85 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.941 | 0.1 | 88 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.403 | -8.8 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.153 | -10.3 | 97 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 55.313 | -10.6# | 96 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 108.922 | -8.9 | 94 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 56.233 | -12.5 | 97 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.732 | -13.5 | 96 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.577 | -7.2 | 93 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.652 | -7.3 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.386 | -8.8 | 91 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.266 | -2.5 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 44.757 | 10.5 | 76 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.767 | -7.5 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.289 | -6.6 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.749 | -7.5 | 96 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.211 | -6.4 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.352 | 1.3 | 85 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 53.518 | -7.0 | 96 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.459 | -6.9 | 93 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.197 | -10.4 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.757 | -5.5 | 94 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.172 | -6.3 | 93 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.534 | -5.1 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 52.111 | -4.2 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 53.702 | -7.4 | 93 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.057 | -8.1 | 97 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.355 | -4.7 | 94 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.989 | -4.0 | 90 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 56.824 | -13.6 | 95 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.226 | -10.5 | 96 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 60.057 | -20.1 | 94 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 58.133 | -16.3 | 96 | 0.00 |

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