# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
Data File : VY013887.D
Acq On : 25 May 2023 20:40
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: May 26 04:36:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
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 | 54.812 | -9.6 | 80 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.592 | -7.2 | 85 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 52.100 | -4.2# | 80 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.608 | -5.2 | 91 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.608 | -3.2 | 84 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.650 | -3.3 | 82 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.837 | -7.7 | 85 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.111 | -2.2 | 83 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.387 | 3.2 | 71 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 250.867 | -0.3 | 81 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.809 | -3.6# | 81 | 0.00 |
| 13 | T | Acrolein | 250.000 | 249.260 | 0.3 | 86 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.092 | -0.2 | 83 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 271.686 | -8.7 | 87 | 0.00 |
| 16 | T | Acetone | 250.000 | 216.078 | 13.6 | 71 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.928 | -5.9 | 80 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 51.649 | -3.3 | 85 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.735 | -7.5 | 85 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 64.365 | -28.7# | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.541 | -5.1 | 84 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.479 | -9.0 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 276.557 | -10.6 | 85 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.430 | -4.9 | 87 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 250.368 | -0.1 | 80 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.692 | 2.6 | 80 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.447 | -6.9 | 86 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.300 | 7.4 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 276.997 | -10.8 | 83 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.369 | -8.7# | 89 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.189 | 1.6 | 79 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.305 | -4.6 | 85 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.150 | -2.3 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 87 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.800 | 0.4 | 86 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.461 | -2.9 | 83 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.085 | -6.2 | 82 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.571 | -3.1 | 85 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.962 | 0.1 | 78 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.746 | -5.5 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.020 | 6.0 | 86 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.733 | -9.5 | 90 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.170 | -4.3 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.130 | -2.3 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.675 | -5.3# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.313 | -8.6 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.729 | -7.5 | 90 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.332 | -4.7 | 81 | 0.00 |

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: May 26 04:36:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
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 | 1102.181 | -10.2 | 86 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.915 | 4.2 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 271.821 | -8.7 | 84 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.857 | -7.7# | 88 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.219 | -6.4 | 86 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.373 | -4.7 | 85 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.646 | -9.3 | 89 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.134 | -10.3 | 85 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.902 | -7.8 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 234.956 | 6.0 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 263.110 | -5.2 | 80 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.944 | -7.9 | 88 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.146 | -10.3 | 88 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.843 | -1.7 | 88 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.257 | -2.5 | 86 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.421 | -2.8 | 88 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.667 | -5.3 | 90 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.076 | -4.2# | 87 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.407 | -4.4 | 86 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.762 | -5.5 | 88 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.664 | -7.3 | 89 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.185 | -4.4 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.903 | -1.8 | 86 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.234 | -2.5 | 83 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.721 | -3.4 | 87 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 53.265 | -6.5 | 108 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.963 | -3.9 | 89 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.160 | -2.3 | 86 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.800 | -1.6 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.836 | -3.7 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.632 | 0.7 | 81 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.029 | -2.1 | 89 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.678 | -1.4 | 87 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.938 | -5.9 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.710 | -1.4 | 86 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.143 | -2.3 | 87 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.672 | -1.3 | 88 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.748 | 0.5 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.411 | -0.8 | 86 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 50.367 | -0.7 | 90 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.523 | -3.0 | 89 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.031 | -0.1 | 83 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.741 | 0.5 | 85 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.283 | 3.4 | 85 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 47.057 | 5.9 | 87 | 0.00 |

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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: May 26 04:36:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
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 | 50.421 | -0.8 | 86 | 0.00 |

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