# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031023\
Data File : VY012918.D
Acq On : 10 Mar 2023 16:58
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 11 05:49:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 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 | 81 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.043 | -2.1 | 87 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.583 | 2.8 | 86 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.017 | -8.0# | 90 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 52.619 | -5.2 | 89 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 54.376 | -8.8 | 89 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 55.414 | -10.8 | 93 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.924 | -3.8 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 55.897 | -11.8 | 93 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.505 | -11.0 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 224.660 | 10.1 | 75 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.851 | -9.7# | 90 | 0.00 |
| 13 | T | Acrolein | 250.000 | 160.552 | 35.8# | 53 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 54.441 | -8.9 | 88 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 256.782 | -2.7 | 83 | 0.00 |
| 16 | T | Acetone | 250.000 | 252.373 | -0.9 | 76 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 50.612 | -1.2 | 84 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.650 | 4.7 | 77 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.054 | -12.1 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 58.238 | -16.5 | 91 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 57.384 | -14.8 | 94 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 59.412 | -18.8 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 285.694 | -14.3 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 58.923 | -17.8 | 96 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 255.339 | -2.1 | 79 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 58.974 | -17.9 | 98 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 58.543 | -17.1 | 94 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 55.236 | -10.5 | 88 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 252.145 | -0.9 | 79 | 0.00 |
| 30 | C | Chloroform | 50.000 | 60.576 | -21.2# | 98 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.203 | -2.4 | 86 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 56.926 | -13.9 | 93 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.924 | 6.2 | 78 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.858 | -3.7 | 83 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 57.180 | -14.4 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 53.067 | -6.1 | 87 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 59.321 | -18.6 | 94 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 56.734 | -13.5 | 87 | 0.00 |
| 40 | TM | Benzene | 50.000 | 57.506 | -15.0 | 91 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 60.186 | -20.4 | 94 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 56.629 | -13.3 | 89 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.470 | -2.9 | 80 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.482 | -15.0 | 90 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 57.326 | -14.7# | 92 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.775 | -11.5 | 87 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.724 | -15.4 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.097 | -2.2 | 76 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 11 05:49:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 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 | 1041.701 | -4.2 | 80 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.118 | 1.8 | 79 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.949 | -2.0 | 77 | 0.00 |
| 52 | CM | Toluene | 50.000 | 59.397 | -18.8# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 57.580 | -15.2 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.572 | -15.1 | 89 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.531 | -11.1 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.257 | -10.5 | 82 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.101 | -12.2 | 88 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 257.355 | -2.9 | 77 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 256.991 | -2.8 | 76 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 57.945 | -15.9 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.970 | -9.9 | 86 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.707 | -1.4 | 81 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 79 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 57.794 | -15.6 | 92 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 57.279 | -14.6 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 60.016 | -20.0 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 59.656 | -19.3# | 92 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 119.599 | -19.6 | 92 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 59.630 | -19.3 | 93 | 0.00 |
| 70 | T | Styrene | 50.000 | 60.750 | -21.5 | 92 | 0.00 |
| 71 | P | Bromoform | 50.000 | 55.553 | -11.1 | 88 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 83 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 58.726 | -17.5 | 94 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.081 | -0.2 | 79 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.113 | -4.2 | 86 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 43.635 | 12.7 | 72 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 56.168 | -12.3 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 58.328 | -16.7 | 93 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 57.514 | -15.0 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 58.082 | -16.2 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.961 | 0.1 | 80 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 56.922 | -13.8 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 60.644 | -21.3 | 96 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 58.828 | -17.7 | 94 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 58.826 | -17.7 | 95 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 58.879 | -17.8 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 57.058 | -14.1 | 94 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 55.715 | -11.4 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 58.401 | -16.8 | 94 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 57.257 | -14.5 | 96 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 55.890 | -11.8 | 91 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.127 | -0.3 | 80 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.753 | -9.5 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.894 | -11.8 | 95 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.442 | -4.9 | 81 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 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 | 53.736 | -7.5 | 87 | 0.00 |

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