# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015853.D
Acq On : 06 Oct 2023 10:03
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: Oct 07 07:22:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 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 | 94 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.305 | -4.6 | 91 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 55.224 | -10.4 | 92 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.822 | -9.6# | 94 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 56.457 | -12.9 | 96 | 0.01 |
| 6 | T | Chloroethane | 50.000 | 56.941 | -13.9 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.803 | -3.6 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.472 | -2.9 | 96 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.858 | -3.7 | 94 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.469 | -10.9 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 226.625 | 9.3 | 88 | 0.03 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.530 | -9.1# | 97 | 0.00 |
| 13 | T | Acrolein | 250.000 | 224.821 | 10.1 | 87 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 52.070 | -4.1 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 232.530 | 7.0 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 227.901 | 8.8 | 95 | 0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 55.121 | -10.2 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.167 | 1.7 | 93 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.947 | 0.1 | 94 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.687 | 4.6 | 93 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 54.294 | -8.6 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.728 | -1.5 | 95 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 245.718 | 1.7 | 93 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.302 | -2.6 | 96 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 219.019 | 12.4 | 90 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.867 | 0.3 | 96 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.602 | -3.2 | 97 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.947 | 8.1 | 83 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 230.559 | 7.8 | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.500 | -1.0# | 97 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 50.289 | -0.6 | 93 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.585 | -3.2 | 97 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 52.438 | -4.9 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.077 | -6.2 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 53.601 | -7.2 | 96 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 46.133 | 7.7 | 92 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.857 | -3.7 | 96 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.583 | -5.2 | 91 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.302 | -4.6 | 96 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.430 | -8.9 | 102 | -0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.288 | -0.6 | 95 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 47.621 | 4.8 | 93 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.826 | -1.7 | 95 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.042 | -2.1# | 97 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.013 | -0.0 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.002 | -0.0 | 95 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.447 | 5.1 | 91 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 07 07:22:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 05:54:04 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 | 926.515 | 7.3 | 98 | 0.02 |
| 50 | S | Toluene-d8 | 50.000 | 55.020 | -10.0 | 100 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 233.542 | 6.6 | 92 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.331 | -4.7# | 96 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.627 | -1.3 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.212 | -2.4 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 48.514 | 3.0 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 50.055 | -0.1 | 93 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 49.746 | 0.5 | 94 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 243.169 | 2.7 | 90 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 228.311 | 8.7 | 90 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.546 | 0.9 | 93 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 49.217 | 1.6 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.070 | -4.1 | 96 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.923 | -3.8 | 98 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.800 | -1.6 | 96 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.171 | -0.3 | 96 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.523 | -3.0# | 95 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.118 | -4.1 | 95 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.880 | -3.8 | 95 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.066 | -4.1 | 94 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.686 | 0.6 | 92 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.830 | -1.7 | 93 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.544 | 2.9 | 90 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.194 | 3.6 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.099 | -0.2 | 85 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.852 | -1.7 | 94 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.168 | -2.3 | 92 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.781 | -1.6 | 93 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.042 | -2.1 | 92 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.216 | 1.6 | 93 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.129 | -0.3 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.430 | 1.1 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.184 | -2.4 | 93 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.741 | -1.5 | 91 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.617 | -1.2 | 91 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.867 | 0.3 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.015 | -0.0 | 93 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.276 | -0.6 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.435 | -2.9 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.466 | -0.9 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.944 | 8.1 | 88 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.007 | 2.0 | 90 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.279 | 5.4 | 87 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 47.882 | 4.2 | 88 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.389 | 3.2 | 90 | 0.00 |

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