# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062023\
Data File : VY014299.D
Acq On : 20 Jun 2023 21:23
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Jun 21 02:10:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 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 | 92 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.671 | 6.7 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 41.909 | 16.2 | 82 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 45.582 | 8.8# | 86 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.279 | 15.4 | 89 | -0.02 |
| 6 | T | Chloroethane | 50.000 | 44.464 | 11.1 | 89 | -0.01 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.177 | -6.4 | 101 | -0.01 |
| 8 | T | Diethyl Ether | 50.000 | 49.804 | 0.4 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.962 | -9.9 | 101 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 44.540 | 10.9 | 80 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 299.834 | -19.9 | 119 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.469 | -0.9# | 96 | 0.00 |
| 13 | T | Acrolein | 250.000 | 227.290 | 9.1 | 83 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.550 | 2.9 | 91 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 299.816 | -19.9 | 116 | 0.00 |
| 16 | T | Acetone | 250.000 | 234.137 | 6.3 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.286 | 5.4 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 56.471 | -12.9 | 115 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.233 | -8.5 | 99 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 66.722 | -33.4# | 120 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 52.375 | -4.8 | 97 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.477 | -9.0 | 101 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 280.586 | -12.2 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.605 | -5.2 | 100 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 310.999 | -24.4 | 128 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.583 | 6.8 | 89 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.574 | -7.1 | 103 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 44.434 | 11.1 | 89 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 327.196 | -30.9# | 131 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.748 | -9.5# | 104 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 54.136 | -8.3 | 104 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.709 | -9.4 | 104 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.120 | 7.8 | 97 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.446 | -6.9 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 57.974 | -15.9 | 104 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 61.747 | -23.5 | 114 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 58.781 | -17.6 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 61.056 | -22.1 | 106 | 0.00 |
| 40 | TM | Benzene | 50.000 | 56.553 | -13.1 | 103 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.550 | -7.1 | 111 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 55.955 | -11.9 | 104 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 61.380 | -22.8 | 113 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 57.038 | -14.1 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.287 | -12.6# | 102 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 57.476 | -15.0 | 107 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 57.204 | -14.4 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 61.255 | -22.5 | 113 | 0.00 |

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ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Jun 21 02:10:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 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 | 1440.660 | -44.1# | 129 | -0.02 |
| 50 | S | Toluene-d8 | 50.000 | 48.623 | 2.8 | 96 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 335.664 | -34.3# | 124 | 0.00 |
| 52 | CM | Toluene | 50.000 | 57.701 | -15.4# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 55.901 | -11.8 | 101 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.970 | -9.9 | 101 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 58.604 | -17.2 | 107 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 62.310 | -24.6 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 58.187 | -16.4 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 291.916 | -16.8 | 110 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 335.378 | -34.2# | 126 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 60.229 | -20.5 | 110 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 58.901 | -17.8 | 109 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 56.383 | -12.8 | 108 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 64.431 | -28.9# | 123 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 54.286 | -8.6 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 55.997 | -12.0 | 106 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 56.898 | -13.8# | 106 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 113.121 | -13.1 | 106 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 57.563 | -15.1 | 107 | 0.00 |
| 70 | T | Styrene | 50.000 | 58.000 | -16.0 | 108 | 0.00 |
| 71 | P | Bromoform | 50.000 | 60.496 | -21.0 | 117 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 53.829 | -7.7 | 107 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 57.173 | -14.3 | 117 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 55.604 | -11.2 | 118 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.435 | 3.1 | 96 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.227 | -4.5 | 107 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.448 | -8.9 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 53.851 | -7.7 | 111 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 54.650 | -9.3 | 110 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 52.396 | -4.8 | 107 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.134 | -4.3 | 106 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 54.217 | -8.4 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.398 | -10.8 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.871 | -11.7 | 111 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.176 | -10.4 | 110 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.850 | -5.7 | 110 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.871 | -3.7 | 109 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.051 | -12.1 | 112 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.367 | -10.7 | 115 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 53.996 | -8.0 | 113 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 58.543 | -17.1 | 134 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.967 | -5.9 | 111 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.427 | -10.9 | 113 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.466 | -14.9 | 121 | 0.00 |

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 53.794 | -7.6 | 115 | 0.00 |

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