# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
Data File : VY014200.D
Acq On : 15 Jun 2023 19:23
Operator : KP/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jun 16 02:12:44 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 | 63 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.772 | 12.5 | 57 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.431 | 7.1 | 62 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 45.637 | 8.7# | 59 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 50.753 | -1.5 | 73 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 46.995 | 6.0 | 64 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.597 | 4.8 | 62 | -0.01 |
| 8 | T | Diethyl Ether | 50.000 | 55.941 | -11.9 | 74 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.565 | 2.9 | 61 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 41.013 | 18.0 | 50 | -0.01 |
| 11 | T | Tert butyl alcohol | 250.000 | 308.591 | -23.4 | 83 | -0.02 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.655 | 4.7# | 62 | 0.00 |
| 13 | T | Acrolein | 250.000 | 336.373 | -34.5# | 83 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.840 | 2.3 | 62 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 315.433 | -26.2# | 83 | 0.00 |
| 16 | T | Acetone | 250.000 | 266.235 | -6.5 | 79 | -0.01 |
| 17 | T | Carbon Disulfide | 50.000 | 47.230 | 5.5 | 62 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 59.130 | -18.3 | 82 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 59.100 | -18.2 | 74 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 60.459 | -20.9 | 75 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.729 | -1.5 | 64 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 58.579 | -17.2 | 74 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 304.095 | -21.6 | 77 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.715 | -7.4 | 70 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 316.385 | -26.6# | 89 | -0.01 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 47.418 | 5.2 | 62 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 55.960 | -11.9 | 73 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 57.138 | -14.3 | 78 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 332.204 | -32.9# | 90 | 0.00 |
| 30 | C | Chloroform | 50.000 | 56.544 | -13.1# | 73 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.512 | 7.0 | 61 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.353 | -0.7 | 65 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 55.729 | -11.5 | 80 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 71 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.353 | -4.7 | 77 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 45.135 | 9.7 | 64 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.138 | -8.3 | 79 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 45.534 | 8.9 | 64 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 44.220 | 11.6 | 61 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.387 | 1.2 | 71 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 67.833 | -35.7# | 112 | 0.01 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 52.812 | -5.6 | 78 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 56.752 | -13.5 | 83 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 47.367 | 5.3 | 67 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.937 | -1.9# | 73 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.566 | -9.1 | 81 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.124 | -6.2 | 76 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.026 | -14.1 | 83 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jun 16 02:12:44 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 | 1259.502 | -26.0# | 90 | -0.02 |
| 50 | S | Toluene-d8 | 50.000 | 44.628 | 10.7 | 70 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 294.943 | -18.0 | 86 | 0.00 |
| 52 | CM | Toluene | 50.000 | 49.651 | 0.7# | 71 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.241 | -6.5 | 76 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.819 | -3.6 | 75 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.514 | -11.0 | 81 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 56.514 | -13.0 | 78 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.752 | -11.5 | 80 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 292.510 | -17.0 | 88 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 293.143 | -17.3 | 87 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.350 | -10.7 | 80 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.396 | -10.8 | 81 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 54.806 | -9.6 | 83 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 78 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.206 | 9.6 | 71 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.356 | 5.3 | 74 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 48.983 | 2.0 | 76 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 46.942 | 6.1# | 71 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 95.125 | 4.9 | 73 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.262 | 3.5 | 73 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.290 | -2.6 | 78 | 0.00 |
| 71 | P | Bromoform | 50.000 | 54.071 | -8.1 | 85 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 42.655 | 14.7 | 71 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.970 | -3.9 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.072 | 1.9 | 87 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.207 | 1.6 | 81 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 45.832 | 8.3 | 79 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 43.075 | 13.8 | 72 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 43.882 | 12.2 | 75 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 43.538 | 12.9 | 73 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 49.304 | 1.4 | 84 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 43.862 | 12.3 | 75 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 42.068 | 15.9 | 70 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 45.067 | 9.9 | 76 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 42.038 | 15.9 | 70 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 42.708 | 14.6 | 71 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 45.449 | 9.1 | 79 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 44.912 | 10.2 | 79 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 42.821 | 14.4 | 72 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 43.046 | 13.9 | 74 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 46.762 | 6.5 | 81 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.301 | 1.4 | 94 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 45.813 | 8.4 | 80 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 44.412 | 11.2 | 76 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.131 | 3.7 | 85 | 0.00 |

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Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
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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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.442 | 7.1 | 83 | 0.00 |

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