# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022123\
Data File : VX034216.D
Acq On : 21 Feb 2023 17:51
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Feb 22 05:53:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 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 | 73 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.596 | -1.2 | 70 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.781 | 0.4 | 70 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 56.472 | -12.9# | 80 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 61.966 | -23.9 | 78 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 62.073 | -24.1 | 84 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 58.714 | -17.4 | 84 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.793 | -9.6 | 83 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 46.363 | 7.3 | 66 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.651 | 2.7 | 67 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 221.288 | 11.5 | 67 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 45.973 | 8.1# | 66 | 0.00 |
| 13 | T | Acrolein | 250.000 | 225.115 | 10.0 | 70 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 43.530 | 12.9 | 62 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 245.720 | 1.7 | 70 | 0.00 |
| 16 | T | Acetone | 250.000 | 203.858 | 18.5 | 60 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 43.097 | 13.8 | 62 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.355 | 1.3 | 68 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.794 | 6.4 | 67 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.439 | 9.1 | 68 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.794 | 6.4 | 66 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.679 | 0.6 | 70 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 244.398 | 2.2 | 70 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.591 | 6.8 | 67 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 232.337 | 7.1 | 67 | 0.01 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 44.204 | 11.6 | 64 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.143 | 3.7 | 68 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.702 | 6.6 | 69 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 250.170 | -0.1 | 72 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.068 | 3.9# | 69 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.615 | 6.8 | 65 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.568 | 6.9 | 67 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.524 | 9.0 | 69 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 72 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.000 | 2.0 | 73 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.591 | 4.8 | 66 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.935 | -1.9 | 69 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.993 | 4.0 | 67 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.073 | 5.9 | 65 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.224 | 1.6 | 70 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.722 | -1.4 | 69 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.974 | 6.1 | 66 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 49.594 | 0.8 | 69 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.326 | 1.3 | 69 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.848 | 0.3# | 70 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.904 | 0.2 | 70 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.083 | 3.8 | 68 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 49.055 | 1.9 | 68 | 0.00 |

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ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 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 | 984.218 | 1.6 | 72 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.068 | -4.1 | 76 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 275.816 | -10.3 | 77 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.095 | -4.2# | 74 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.687 | 0.6 | 69 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.855 | 2.3 | 68 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.911 | -5.8 | 74 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.363 | -4.7 | 72 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.794 | -3.6 | 72 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 254.848 | -1.9 | 72 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 276.539 | -10.6 | 78 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.123 | -4.2 | 73 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.323 | -4.6 | 74 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.559 | -7.1 | 79 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 77 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.730 | 6.5 | 70 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.297 | -0.6 | 76 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.410 | 1.2 | 74 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.093 | -0.2# | 74 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.706 | -2.7 | 78 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.647 | -3.3 | 78 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.953 | -5.9 | 78 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.847 | 0.3 | 75 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 82 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.895 | 2.2 | 78 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.241 | 1.5 | 81 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.756 | 2.5 | 81 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 41.361 | 17.3 | 68 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.126 | 1.7 | 80 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.661 | 0.7 | 78 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.990 | 2.0 | 79 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.401 | 1.2 | 79 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.025 | 8.0 | 74 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 49.832 | 0.3 | 81 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.293 | 1.4 | 79 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.112 | 1.8 | 80 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 50.054 | -0.1 | 79 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.973 | 0.1 | 78 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.782 | 0.4 | 80 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.927 | 2.1 | 79 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.526 | -1.1 | 79 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 48.227 | 3.5 | 77 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.071 | 1.9 | 79 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.008 | 12.0 | 71 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 47.554 | 4.9 | 74 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 46.900 | 6.2 | 74 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.456 | 3.1 | 77 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.857 | 4.3 | 76 | 0.00 |

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