Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012621\
Data File : VX020741.D
Acq On : 26 Jan 2021 09:51
Operator : JC/SP
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jan 26 14:37:08 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:38:15 2021
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 | 107 | -0.01 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.386 | 3.2 | 103 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.217 | 3.6 | 99 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.481 | 3.0# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 43.981 | 12.0 | 101 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.574 | 0.9 | 100 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.685 | 0.6 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.798 | -1.6 | 106 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.461 | -0.9 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 46.574 | 6.9 | 95 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 239.964 | 4.0 | 101 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.946 | 2.1# | 104 | 0.00 |
| 13 | T | Acrolein | 250.000 | 250.511 | -0.2 | 104 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.651 | 4.7 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 245.837 | 1.7 | 102 | 0.00 |
| 16 | T | Acetone | 250.000 | 256.916 | -2.8 | 110 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.252 | 7.5 | 101 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 49.930 | 0.1 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.572 | -3.1 | 104 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.867 | 6.3 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.279 | 5.4 | 101 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 50.030 | -0.1 | 101 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 258.683 | -3.5 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.480 | 3.0 | 101 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 251.933 | -0.8 | 105 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.036 | -0.1 | 105 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 48.651 | 2.7 | 101 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 42.763 | 14.5 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 246.348 | 1.5 | 100 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.607 | 2.8# | 101 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.683 | 2.6 | 102 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.255 | 1.5 | 102 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.510 | 9.0 | 100 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 46.917 | 6.2 | 98 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.036 | -0.1 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.569 | -3.1 | 102 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.802 | -1.6 | 102 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 52.845 | -5.7 | 105 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.441 | -0.9 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.793 | -1.6 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.990 | -2.0 | 102 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.587 | -3.2 | 102 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.243 | -0.5 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.436 | -0.9# | 101 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.060 | -2.1 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.512 | -3.0 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 52.588 | -5.2 | 102 | 0.00 |

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ALS Vial : 1 Sample Multiplier: 1

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

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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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1031.349 | -3.1 | 98 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.473 | 5.1 | 100 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 264.597 | -5.8 | 100 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.920 | -3.8# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.050 | -6.1 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 53.090 | -6.2 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.179 | -2.4 | 104 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 48.109 | 3.8 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.857 | -3.7 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 259.983 | -4.0 | 101 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 260.605 | -4.2 | 97 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.354 | -6.7 | 107 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.926 | -3.9 | 104 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.184 | 5.6 | 97 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 105 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 52.806 | -5.6 | 106 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.288 | -0.6 | 105 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.718 | -5.4 | 106 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.155 | -4.3# | 103 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 105.531 | -5.5 | 104 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.608 | -7.2 | 105 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.965 | -7.9 | 102 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.478 | -3.0 | 102 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 54.793 | -9.6 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.149 | 5.7 | 97 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 50.255 | -0.5 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.002 | -4.0 | 100 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.903 | -5.8 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 54.608 | -9.2 | 103 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.936 | -5.9 | 101 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 55.308 | -10.6 | 103 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.115 | -2.2 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.050 | -4.1 | 100 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.245 | -6.5 | 100 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.917 | -9.8 | 102 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.138 | -10.3 | 102 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.764 | -9.5 | 102 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.047 | -2.1 | 100 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.350 | 3.3 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.077 | -8.2 | 100 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.275 | -2.5 | 98 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.496 | -3.0 | 102 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 50.021 | -0.0 | 102 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.732 | -5.5 | 103 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 52.573 | -5.1 | 107 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.149 | 3.7 | 102 | 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 | 55.919 | -11.8 | 109 | 0.00 |

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