# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120721\
Data File : VN069829.D
Acq On : 7 Dec 2021 21:46
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Dec 08 04:41:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 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 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 49.807 | 0.4 | 89 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 47.566 | 4.9 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.630 | 0.7# | 93 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 53.886 | -7.8 | 101 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.485 | 3.0 | 92 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.078 | 1.8 | 93 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.859 | -1.7 | 95 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.682 | -1.4 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.794 | 0.4 | 89 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 205.695 | 17.7 | 76 | -0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.805 | 0.4# | 94 | 0.00 |
| 13 | T | Acrolein | 250.000 | 334.528 | -33.8# | 134 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.246 | -0.5 | 95 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 235.703 | 5.7 | 87 | 0.00 |
| 16 | T | Acetone | 250.000 | 190.460 | 23.8 | 71 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.576 | 0.8 | 92 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 46.197 | 7.6 | 89 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 50.659 | -1.3 | 95 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.039 | 3.9 | 96 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.399 | 1.2 | 93 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.604 | -5.2 | 97 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 265.340 | -6.1 | 95 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.508 | -3.0 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 217.519 | 13.0 | 80 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.938 | 2.1 | 93 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.887 | 0.2 | 93 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.448 | 1.1 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 232.331 | 7.1 | 84 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.036 | -2.1# | 96 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.979 | 2.0 | 94 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.380 | -2.8 | 94 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.524 | 5.0 | 91 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.942 | 2.1 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.795 | -3.6 | 94 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 46.664 | 6.7 | 85 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 52.155 | -4.3 | 95 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 51.929 | -3.9 | 93 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.291 | -2.6 | 94 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 50.885 | -1.8 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.269 | -2.5 | 95 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 50.429 | -0.9 | 91 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.430 | -2.9 | 94 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.125 | -4.3# | 96 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.642 | -3.3 | 95 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.777 | -7.6 | 96 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.155 | -2.3 | 92 | 0.00 |

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MSVOA_N
**LabSampleId :**
VSTDCCC050

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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 | 849.300 | 15.1 | 76 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.400 | 3.2 | 90 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 253.618 | -1.4 | 88 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.324 | -4.6# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.009 | 4.0 | 94 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.836 | 0.3 | 95 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.933 | -3.9 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.249 | 5.5 | 92 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.761 | -5.5 | 96 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 195.014 | 22.0 | 78 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 237.169 | 5.1 | 82 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 49.180 | 1.6 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.764 | -3.5 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.222 | 1.6 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.733 | -3.5 | 94 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.043 | -4.1 | 95 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 54.077 | -8.2 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.747 | -7.5# | 94 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 107.574 | -7.6 | 94 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.668 | -7.3 | 94 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.215 | -10.4 | 94 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.450 | 5.1 | 92 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.385 | -2.8 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.672 | 0.7 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.214 | 3.6 | 91 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.135 | 5.7 | 87 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.702 | 0.6 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.310 | -4.6 | 94 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.198 | -2.4 | 95 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.093 | -4.2 | 94 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 46.600 | 6.8 | 86 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.226 | -2.5 | 94 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 51.740 | -3.5 | 94 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 53.778 | -7.6 | 95 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.289 | -4.6 | 93 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.465 | -6.9 | 94 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.735 | -1.5 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.442 | 1.1 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.648 | -5.3 | 91 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 53.225 | -6.5 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.562 | -1.1 | 93 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 47.642 | 4.7 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 45.926 | 8.1 | 88 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.131 | 1.7 | 88 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 41.395 | 17.2 | 81 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 45.505 | 9.0 | 86 | 0.00 |

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