# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070204.D
Acq On : 18 Dec 2021 9:13
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 54 Sample Multiplier: 1

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

Quant Time: Dec 19 07:26:45 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 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 36.097 | 27.8# | 58 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 37.845 | 24.3 | 65 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 39.187 | 21.6# | 66 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 35.875 | 28.2# | 60 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 39.479 | 21.0 | 67 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 38.773 | 22.5 | 66 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.423 | 7.2 | 78 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 42.820 | 14.4 | 72 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 38.494 | 23.0 | 62 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 209.580 | 16.2 | 70 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 42.753 | 14.5# | 72 | 0.00 |
| 13 | T | Acrolein | 250.000 | 217.767 | 12.9 | 78 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 43.827 | 12.3 | 74 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 228.968 | 8.4 | 76 | 0.00 |
| 16 | T | Acetone | 250.000 | 179.176 | 28.3# | 59 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 36.446 | 27.1# | 60 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.153 | 11.7 | 76 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 47.089 | 5.8 | 79 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 42.653 | 14.7 | 76 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 41.844 | 16.3 | 71 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.290 | 1.4 | 81 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 234.301 | 6.3 | 75 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 46.521 | 7.0 | 78 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 207.746 | 16.9 | 68 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 31.085 | 37.8# | 53 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 44.022 | 12.0 | 74 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 46.356 | 7.3 | 79 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 224.746 | 10.1 | 73 | 0.00 |
| 30 | C | Chloroform | 50.000 | 45.871 | 8.3# | 77 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 40.499 | 19.0 | 70 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 44.091 | 11.8 | 72 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.548 | 8.9 | 78 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 92 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 46.158 | 7.7 | 79 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 42.764 | 14.5 | 71 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.425 | 13.2 | 73 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 41.652 | 16.7 | 69 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 40.116 | 19.8 | 66 | 0.00 |
| 40 | TM | Benzene | 50.000 | 43.914 | 12.2 | 74 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.303 | 1.4 | 80 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 43.477 | 13.0 | 74 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 44.951 | 10.1 | 75 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 42.371 | 15.3 | 71 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 46.165 | 7.7# | 78 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 43.692 | 12.6 | 73 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 46.750 | 6.5 | 77 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 45.358 | 9.3 | 75 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070204.D
Acq On : 18 Dec 2021 9:13
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 54 Sample Multiplier: 1

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

Quant Time: Dec 19 07:26:45 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 851.556 | 14.8 | 70 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.845 | 10.3 | 76 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 233.878 | 6.4 | 74 | 0.00 |
| 52 | CM | Toluene | 50.000 | 44.037 | 11.9# | 73 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 39.301 | 21.4 | 70 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 40.750 | 18.5 | 71 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 45.664 | 8.7 | 76 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 41.766 | 16.5 | 74 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.060 | 7.9 | 77 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 228.874 | 8.5 | 86 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 222.739 | 10.9 | 71 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 41.561 | 16.9 | 73 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 44.210 | 11.6 | 73 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.167 | 5.7 | 81 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 43.320 | 13.4 | 73 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 43.557 | 12.9 | 73 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 45.340 | 9.3 | 73 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 45.326 | 9.3# | 73 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 90.265 | 9.7 | 72 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 45.308 | 9.4 | 73 | 0.00 |
| 70 | T | Styrene | 50.000 | 46.987 | 6.0 | 74 | 0.00 |
| 71 | P | Bromoform | 50.000 | 40.744 | 18.5 | 72 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 42.590 | 14.8 | 74 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 44.685 | 10.6 | 74 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 43.095 | 13.8 | 76 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 39.818 | 20.4 | 68 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 41.695 | 16.6 | 73 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 43.044 | 13.9 | 72 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 43.002 | 14.0 | 75 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 43.061 | 13.9 | 73 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 36.117 | 27.8# | 61 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 43.404 | 13.2 | 74 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 42.679 | 14.6 | 73 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 44.292 | 11.4 | 73 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 43.532 | 12.9 | 72 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 43.589 | 12.8 | 72 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 42.597 | 14.8 | 72 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 41.638 | 16.7 | 72 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 42.771 | 14.5 | 69 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 42.201 | 15.6 | 68 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 43.128 | 13.7 | 74 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.402 | 15.2 | 70 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 40.541 | 18.9 | 72 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 41.648 | 16.7 | 69 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 40.134 | 19.7 | 73 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
Data File : VN070204.D
Acq On : 18 Dec 2021 9:13
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 54 Sample Multiplier: 1

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

Quant Time: Dec 19 07:26:45 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 42.321 | 15.4 | 74 | 0.00 |

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