# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
Data File : VN078697.D
Acq On : 28 Jul 2023 20:33
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jul 29 00:55:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 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 | 151 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.853 | -3.7 | 164 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.572 | 2.9 | 159 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 35.766 | 28.5# | 115 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 47.168 | 5.7 | 137 | -0.02 |
| 6 | T | Chloroethane | 50.000 | 33.640 | 32.7# | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.466 | 3.1 | 153 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.737 | -7.5 | 161 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 50.297 | -0.6 | 154 | -0.01 |
| 10 | T | Methyl Iodide | 50.000 | 53.844 | -7.7 | 162 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 294.403 | -17.8 | 179 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 52.322 | -4.6# | 161 | 0.00 |
| 13 | T | Acrolein | 250.000 | 288.107 | -15.2 | 172 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 58.004 | -16.0 | 180 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 301.925 | -20.8 | 181 | 0.00 |
| 16 | T | Acetone | 250.000 | 266.921 | -6.8 | 170 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.786 | 2.4 | 156 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 58.564 | -17.1 | 181 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 54.206 | -8.4 | 161 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 55.510 | -11.0 | 163 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.748 | -1.5 | 154 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 56.494 | -13.0 | 167 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 286.190 | -14.5 | 164 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.021 | -6.0 | 162 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 295.482 | -18.2 | 177 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 39.523 | 21.0 | 120 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.732 | -3.5 | 156 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.509 | -1.0 | 152 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 301.874 | -20.7 | 178 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.443 | -4.9# | 157 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 51.349 | -2.7 | 169 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.457 | -0.9 | 150 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.093 | 1.8 | 150 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 143 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.017 | -6.0 | 156 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.903 | -5.8 | 156 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 59.810 | -19.6 | 171 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.871 | -3.7 | 150 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.809 | -9.6 | 157 | 0.00 |
| 40 | TM | Benzene | 50.000 | 55.244 | -10.5 | 159 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 61.501 | -23.0 | 179 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.152 | -2.3 | 152 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 59.263 | -18.5 | 169 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.646 | 0.7 | 150 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 56.828 | -13.7# | 167 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.923 | -5.8 | 151 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.252 | -6.5 | 153 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 57.564 | -15.1 | 160 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
Data File : VN078697.D
Acq On : 28 Jul 2023 20:33
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jul 29 00:55:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 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 | 1189.072 | -18.9 | 171 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.654 | -1.3 | 148 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 302.369 | -20.9 | 169 | 0.00 |
| 52 | CM | Toluene | 50.000 | 54.986 | -10.0# | 157 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.084 | -8.2 | 151 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.850 | -11.7 | 153 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.704 | -9.4 | 158 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 61.606 | -23.2 | 166 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.979 | -10.0 | 158 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 283.481 | -13.4 | 155 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 308.865 | -23.5 | 169 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.667 | -9.3 | 153 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 54.169 | -8.3 | 154 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 57.721 | -15.4 | 164 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 146 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.908 | 4.2 | 141 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.284 | -2.6 | 153 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.065 | -2.1 | 150 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.461 | -8.9# | 155 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 111.167 | -11.2 | 154 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.490 | -7.0 | 154 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.796 | -11.6 | 154 | 0.00 |
| 71 | P | Bromoform | 50.000 | 56.613 | -13.2 | 158 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 146 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.458 | 3.1 | 153 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 51.567 | -3.1 | 160 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 58.358 | -16.7 | 161 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.318 | -2.6 | 162 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.358 | -6.7 | 153 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.718 | 0.6 | 151 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.696 | 0.6 | 158 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.411 | -0.8 | 156 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.683 | 4.6 | 149 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.591 | -1.2 | 157 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.257 | 1.5 | 154 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.087 | -2.2 | 156 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.451 | 1.1 | 154 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 49.799 | 0.4 | 151 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.146 | 1.7 | 148 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 47.152 | 5.7 | 145 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.858 | -5.7 | 152 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.037 | -10.1 | 162 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.221 | 1.6 | 149 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 56.209 | -12.4 | 161 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 48.739 | 2.5 | 133 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 60.315 | -20.6 | 159 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 43.729 | 12.5 | 126 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072823\
Data File : VN078697.D
Acq On : 28 Jul 2023 20:33
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Jul 29 00:55:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 10 16:13:53 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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.439 | 5.1 | 138 | 0.00 |

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