# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053124\
Data File : VN082423.D
Acq On : 31 May 2024 21:12
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: May 31 23:05:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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 | 84 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.994 | 12.0 | 71 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 42.137 | 15.7 | 71 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.038 | 5.9# | 78 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 42.435 | 15.1 | 75 | -0.01 |
| 6 | T | Chloroethane | 50.000 | 50.004 | -0.0 | 87 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.247 | -2.5 | 84 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 56.412 | -12.8 | 90 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.694 | 0.6 | 84 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.343 | -4.7 | 83 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 264.797 | -5.9 | 87 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.961 | -1.9# | 83 | 0.00 |
| 13 | T | Acrolein | 250.000 | 323.038 | -29.2# | 101 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.596 | 4.8 | 82 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 278.530 | -11.4 | 90 | 0.00 |
| 16 | T | Acetone | 250.000 | 252.492 | -1.0 | 79 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 39.292 | 21.4 | 68 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 60.907 | -21.8 | 104 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.838 | -13.7 | 91 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.402 | -0.8 | 87 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.479 | 3.0 | 82 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 54.673 | -9.3 | 89 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 272.414 | -9.0 | 85 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 52.705 | -5.4 | 89 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 270.816 | -8.3 | 87 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 45.948 | 8.1 | 75 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 53.198 | -6.4 | 88 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.589 | 0.8 | 82 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 277.957 | -11.2 | 89 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.120 | -10.2# | 92 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.841 | 12.3 | 79 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 54.253 | -8.5 | 88 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.761 | -1.5 | 85 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.042 | -6.1 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 49.761 | 0.5 | 83 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 52.153 | -4.3 | 84 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 54.139 | -8.3 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.033 | 5.9 | 76 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.870 | -3.7 | 87 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 53.435 | -6.9 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.986 | -8.0 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 62.210 | -24.4 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.109 | -0.2 | 86 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.280 | -4.6# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.023 | -8.0 | 91 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.515 | -13.0 | 93 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.004 | -10.0 | 89 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 1148.197 | -14.8 | 93 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.190 | -0.4 | 84 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 288.626 | -15.5 | 92 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.752 | -7.5# | 87 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.150 | -12.3 | 89 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 54.513 | -9.0 | 88 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.544 | -11.1 | 94 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 59.317 | -18.6 | 91 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 54.607 | -9.2 | 92 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 276.555 | -10.6 | 87 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 287.885 | -15.2 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 61.129 | -22.3 | 95 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.554 | -11.1 | 93 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 53.633 | -7.3 | 88 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.034 | 7.9 | 80 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 53.200 | -6.4 | 90 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 58.172 | -16.3 | 95 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 54.086 | -8.2# | 88 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 109.676 | -9.7 | 88 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 55.850 | -11.7 | 90 | 0.00 |
| 70 | T | Styrene | 50.000 | 57.919 | -15.8 | 91 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.011 | -14.0 | 98 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.415 | -2.8 | 89 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 53.435 | -6.9 | 93 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.010 | -8.0 | 98 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.620 | -9.2 | 96 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 51.527 | -3.1 | 93 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.538 | -3.1 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 50.272 | -0.5 | 89 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 52.645 | -5.3 | 88 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.255 | -0.5 | 88 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.291 | -4.6 | 92 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.387 | -4.8 | 90 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.974 | -5.9 | 89 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.204 | -4.4 | 89 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.388 | -6.8 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.331 | -2.7 | 91 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.905 | -1.8 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.363 | -2.7 | 85 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.360 | -8.7 | 92 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.672 | -5.3 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 55.731 | -11.5 | 93 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.633 | 0.7 | 85 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.346 | 3.3 | 87 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 57.915 | -15.8 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.257 | -2.5 | 90 | 0.00 |

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