# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
Data File : VN077588.D
Acq On : 04 May 2023 19:02
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: May 05 04:12:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 02:50:59 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 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 23.031 | 53.9# | 47 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 37.416 | 25.2# | 79 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 35.070 | 29.9# | 72 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 41.690 | 16.6 | 89 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 35.307 | 29.4# | 78 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 29.257 | 41.5# | 60 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 54.526 | -9.1 | 115 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 26.396 | 47.2# | 55 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.438 | 1.1 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 264.317 | -5.7 | 113 | 0.01 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 36.208 | 27.6# | 77 | 0.00 |
| 13 | T | Acrolein | 250.000 | 235.680 | 5.7 | 104 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 40.114 | 19.8 | 78 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 277.294 | -10.9 | 115 | 0.00 |
| 16 | T | Acetone | 250.000 | 225.616 | 9.8 | 101 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 30.113 | 39.8# | 63 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 53.491 | -7.0 | 114 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 57.831 | -15.7 | 120 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 50.769 | -1.5 | 108 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 43.845 | 12.3 | 93 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.053 | 3.9 | 99 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 272.731 | -9.1 | 110 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 47.531 | 4.9 | 97 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 248.820 | 0.5 | 106 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 25.567 | 48.9# | 52 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.183 | -2.4 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 49.503 | 1.0 | 92 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 258.132 | -3.3 | 108 | 0.00 |
| 30 | C | Chloroform | 50.000 | 53.537 | -7.1# | 111 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 21.930 | 56.1# | 48 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 45.002 | 10.0 | 89 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 58.666 | -17.3 | 120 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 109 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 57.990 | -16.0 | 130 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 33.724 | 32.6# | 74 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.867 | 12.3 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 35.260 | 29.5# | 77 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 22.481 | 55.0# | 48 | 0.00 |
| 40 | TM | Benzene | 50.000 | 43.990 | 12.0 | 97 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 47.803 | 4.4 | 106 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.412 | 3.2 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.766 | 6.5 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 41.689 | 16.6 | 92 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 44.974 | 10.1# | 99 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.355 | -2.7 | 116 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.169 | -0.3 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 44.344 | 11.3 | 100 | 0.00 |

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MSVOA_N
**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 | 1138.782 | -13.9 | 133 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.279 | 1.4 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 233.252 | 6.7 | 106 | 0.00 |
| 52 | CM | Toluene | 50.000 | 44.063 | 11.9# | 94 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.453 | 5.1 | 99 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 46.051 | 7.9 | 97 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.552 | -9.1 | 120 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.719 | -7.4 | 116 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.794 | -5.6 | 114 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 244.499 | 2.2 | 98 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 231.184 | 7.5 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.196 | -12.4 | 119 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.366 | -10.7 | 122 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.706 | -5.4 | 110 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 37.071 | 25.9# | 78 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 45.967 | 8.1 | 98 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.507 | -3.0 | 111 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 39.942 | 20.1# | 84 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 83.605 | 16.4 | 87 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 45.668 | 8.7 | 94 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.862 | 2.3 | 98 | 0.00 |
| 71 | P | Bromoform | 50.000 | 60.003 | -20.0 | 123 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 95 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 39.431 | 21.1 | 79 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 46.176 | 7.6 | 95 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 54.891 | -9.8 | 118 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 56.531 | -13.1 | 118 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.962 | 0.1 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 36.279 | 27.4# | 70 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 42.752 | 14.5 | 85 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 44.914 | 10.2 | 81 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 51.230 | -2.5 | 99 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 43.711 | 12.6 | 85 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 38.804 | 22.4 | 78 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.618 | 4.8 | 81 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 35.232 | 29.5# | 67 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 37.694 | 24.6 | 69 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.032 | 7.9 | 93 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.414 | 7.2 | 92 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 34.642 | 30.7# | 58 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 35.022 | 30.0# | 71 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.445 | 1.1 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 56.054 | -12.1 | 119 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 43.997 | 12.0 | 78 | 0.02 |
| 94 | T | Hexachlorobutadiene | 50.000 | 32.602 | 34.8# | 63 | 0.04 |
| 95 | T | Naphthalene | 50.000 | 59.535 | -19.1 | 120 | 0.05 |

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

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 47.199 | 5.6 | 86 | 0.09 |

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