# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
Data File : VN073912.D
Acq On : 15 Aug 2022 22:26
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Aug 16 00:19:58 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 15 23:50:46 2022
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 | 97 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.519 | -3.0 | 99 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.814 | 0.4 | 99 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 50.901 | -1.8# | 99 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 46.151 | 7.7 | 92 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 48.496 | 3.0 | 100 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 56.528 | -13.1 | 113 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.379 | -0.8 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.485 | 3.0 | 98 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.302 | -8.6 | 94 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 281.565 | -12.6 | 107 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.564 | -1.1# | 100 | 0.00 |
| 13 | T | Acrolein | 250.000 | 313.514 | -25.4# | 120 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 49.256 | 1.5 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 267.786 | -7.1 | 103 | 0.00 |
| 16 | T | Acetone | 250.000 | 262.534 | -5.0 | 107 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.051 | 1.9 | 96 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 58.442 | -16.9 | 106 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.560 | -5.1 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.082 | 3.8 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.143 | 1.7 | 99 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 53.147 | -6.3 | 103 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 271.917 | -8.8 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.659 | -1.3 | 101 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 272.988 | -9.2 | 106 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 38.067 | 23.9 | 79 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.684 | -1.4 | 103 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.667 | -7.3 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 271.916 | -8.8 | 105 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.521 | -1.0# | 101 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.171 | 1.7 | 100 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.321 | -2.6 | 101 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 54.499 | -9.0 | 101 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 100 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 53.047 | -6.1 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.926 | 2.1 | 101 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.841 | -1.7 | 105 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.952 | 4.1 | 98 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 49.292 | 1.4 | 99 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.916 | 2.2 | 101 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.951 | -9.9 | 103 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.171 | 1.7 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.233 | -6.5 | 107 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.995 | 2.0 | 102 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 49.709 | 0.6# | 101 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.573 | 0.9 | 101 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.511 | 1.0 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.299 | -6.6 | 103 | 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 | 1052.579 | -5.3 | 104 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.603 | -5.2 | 98 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 264.978 | -6.0 | 104 | 0.00 |
| 52 | CM | Toluene | 50.000 | 47.455 | 5.1# | 101 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.980 | 0.0 | 96 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.798 | 2.4 | 96 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.148 | -0.3 | 101 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 55.249 | -10.5 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.583 | -1.2 | 102 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 263.112 | -5.2 | 98 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 271.687 | -8.7 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.017 | -2.0 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.176 | -0.4 | 99 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.591 | -11.2 | 101 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.241 | 5.5 | 100 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.921 | 2.2 | 100 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.267 | 1.5 | 99 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.573 | -1.1# | 101 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.292 | 0.7 | 100 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.785 | 0.4 | 100 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.371 | -2.7 | 99 | 0.00 |
| 71 | P | Bromoform | 50.000 | 49.857 | 0.3 | 96 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 96 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.544 | 0.9 | 99 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.946 | 0.1 | 102 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 49.179 | 1.6 | 103 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 42.109 | 15.8 | 75 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.159 | 3.7 | 97 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 50.944 | -1.9 | 98 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.407 | 1.2 | 99 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.764 | -1.5 | 100 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.467 | 5.1 | 87 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.596 | -1.2 | 99 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 52.107 | -4.2 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.194 | -2.4 | 99 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.853 | -5.7 | 99 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.063 | -6.1 | 98 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.927 | 0.1 | 99 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.492 | 3.0 | 99 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 51.154 | -2.3 | 97 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.929 | 4.1 | 95 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 48.965 | 2.1 | 100 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 49.680 | 0.6 | 100 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.212 | -4.4 | 100 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.658 | 2.7 | 99 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 54.784 | -9.6 | 103 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.267 | -4.5 | 102 | 0.00 |

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