# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121422\
Data File : VN075784.D
Acq On : 14 Dec 2022 22:28
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Dec 15 00:29:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 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 | 92 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.729 | 6.5 | 87 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.117 | 3.8 | 94 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.209 | 5.6# | 89 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.748 | 0.5 | 92 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.054 | -0.1 | 95 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 47.929 | 4.1 | 88 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 55.646 | -11.3 | 100 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 48.927 | 2.1 | 89 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 53.993 | -8.0 | 97 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 281.165 | -12.5 | 103 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.381 | -0.8# | 92 | 0.00 |
| 13 | T | Acrolein | 250.000 | 301.300 | -20.5 | 109 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.397 | -2.8 | 86 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 283.025 | -13.2 | 104 | 0.01 |
| 16 | T | Acetone | 250.000 | 239.729 | 4.1 | 94 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 49.239 | 1.5 | 91 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 55.370 | -10.7 | 103 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 58.018 | -16.0 | 101 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 55.532 | -11.1 | 101 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.657 | -3.3 | 95 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 58.239 | -16.5 | 102 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 292.685 | -17.1 | 100 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 53.564 | -7.1 | 99 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 281.264 | -12.5 | 102 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 49.722 | 0.6 | 89 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 54.773 | -9.5 | 98 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.294 | -6.6 | 99 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 298.446 | -19.4 | 105 | 0.00 |
| 30 | C | Chloroform | 50.000 | 54.017 | -8.0# | 99 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.664 | 6.7 | 92 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 52.308 | -4.6 | 92 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 56.964 | -13.9 | 103 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 52.918 | -5.8 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.936 | 2.1 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.055 | -8.1 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 48.542 | 2.9 | 90 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.055 | -0.1 | 88 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.714 | -3.4 | 98 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 56.271 | -12.5 | 100 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.302 | -6.6 | 101 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 57.023 | -14.0 | 104 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.316 | 3.4 | 97 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.806 | -5.6# | 101 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 54.213 | -8.4 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 54.107 | -8.2 | 100 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 58.043 | -16.1 | 102 | 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 | 1086.585 | -8.7 | 99 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 52.393 | -4.8 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 289.274 | -15.7 | 104 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.568 | -7.1# | 98 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 56.434 | -12.9 | 98 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.681 | -11.4 | 99 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 54.853 | -9.7 | 102 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 59.607 | -19.2 | 102 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 55.465 | -10.9 | 104 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 261.062 | -4.4 | 93 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 290.578 | -16.2 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 55.431 | -10.9 | 100 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 56.255 | -12.5 | 101 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.480 | -11.0 | 100 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 99 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.719 | 6.6 | 96 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.257 | -0.5 | 99 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.161 | -6.3 | 101 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.237 | -6.5# | 98 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.231 | -6.2 | 97 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.007 | -8.0 | 99 | 0.00 |
| 70 | T | Styrene | 50.000 | 56.244 | -12.5 | 99 | 0.00 |
| 71 | P | Bromoform | 50.000 | 57.305 | -14.6 | 101 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.588 | -5.2 | 95 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 59.410 | -18.8 | 102 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.801 | -3.6 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.175 | 1.7 | 92 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 52.263 | -4.5 | 100 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.923 | -7.8 | 95 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 52.741 | -5.5 | 98 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.628 | -7.3 | 96 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 55.822 | -11.6 | 95 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.741 | -5.5 | 98 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.240 | -6.5 | 95 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.035 | -10.1 | 97 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.285 | -6.6 | 92 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 54.657 | -9.3 | 92 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.343 | -4.7 | 97 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.395 | 1.2 | 94 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 54.010 | -8.0 | 89 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.845 | -9.7 | 94 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.775 | -5.5 | 98 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.345 | -2.7 | 99 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.042 | -8.1 | 93 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 47.929 | 4.1 | 85 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 48.362 | 3.3 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.490 | -11.0 | 93 | 0.00 |

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