Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050521\
Data File : VN066978.D
Acq On : 5 May 2021 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 06 04:45:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
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 | 88 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 51.229 | -2.5 | 89 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 51.546 | -3.1 | 88 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.364 | -2.7# | 87 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 51.365 | -2.7 | 87 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.631 | -1.3 | 87 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.012 | -0.0 | 87 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.788 | 0.4 | 84 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.550 | 0.9 | 88 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.859 | 4.3 | 82 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 266.971 | -6.8 | 90 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 46.988 | 6.0# | 82 | 0.00 |
| 13 | T | Acrolein | 250.000 | 244.313 | 2.3 | 86 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.073 | -0.1 | 87 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 270.380 | -8.2 | 91 | 0.00 |
| 16 | T | Acetone | 250.000 | 271.538 | -8.6 | 97 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.639 | 4.7 | 83 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 55.260 | -10.5 | 92 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 53.086 | -6.2 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 49.126 | 1.7 | 86 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.737 | 0.5 | 86 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.846 | -3.7 | 87 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 270.655 | -8.3 | 89 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.502 | 1.0 | 86 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 270.093 | -8.0 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.078 | -0.2 | 88 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.865 | -1.7 | 87 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 51.547 | -3.1 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 275.137 | -10.1 | 91 | 0.00 |
| 30 | C | Chloroform | 50.000 | 50.095 | -0.2# | 87 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.157 | 3.7 | 85 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 49.265 | 1.5 | 86 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 49.117 | 1.8 | 88 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 86 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 49.206 | 1.6 | 87 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.899 | -1.8 | 86 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 54.848 | -9.7 | 90 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.259 | -0.5 | 87 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.785 | -7.6 | 88 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.897 | -1.8 | 86 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 54.093 | -8.2 | 93 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 53.316 | -6.6 | 91 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 54.674 | -9.3 | 90 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.162 | -0.3 | 85 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 51.688 | -3.4# | 88 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.224 | -4.4 | 89 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 52.347 | -4.7 | 89 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 56.846 | -13.7 | 90 | 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 | 1123.590 | -12.4 | 88 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 49.406 | 1.2 | 85 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 285.471 | -14.2 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.670 | -3.3# | 86 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 53.401 | -6.8 | 88 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 52.765 | -5.5 | 88 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.525 | -5.0 | 88 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 49.939 | 0.1 | 88 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.884 | -5.8 | 87 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 310.290 | -24.1 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 259.755 | -3.9 | 91 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.229 | -4.5 | 87 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 53.286 | -6.6 | 89 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 54.768 | -9.5 | 86 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.985 | 6.0 | 83 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 49.864 | 0.3 | 85 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.161 | -0.3 | 87 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.556 | -5.1# | 86 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 106.325 | -6.3 | 86 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.206 | -4.4 | 86 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.460 | 3.1 | 87 | 0.00 |
| 71 | P | Bromoform | 50.000 | 52.507 | -5.0 | 87 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 50.628 | -1.3 | 87 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 60.887 | -21.8 | 88 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.381 | 3.2 | 86 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.193 | -8.4 | 91 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.357 | 1.3 | 86 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 52.366 | -4.7 | 87 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.848 | 2.3 | 86 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.214 | -2.4 | 87 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.428 | -0.9 | 89 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 51.506 | -3.0 | 86 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.690 | 0.6 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 52.229 | -4.5 | 87 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 52.259 | -4.5 | 88 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 53.235 | -6.5 | 88 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 50.747 | -1.5 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.226 | -2.5 | 85 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.076 | 1.8 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.620 | 4.8 | 85 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.421 | -0.8 | 86 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.511 | -3.0 | 92 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.976 | -10.0 | 92 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.282 | -2.6 | 91 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.658 | -13.3 | 88 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 54.361 | -8.7 | 88 | 0.00 |

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