Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020821\
Data File : VN065769.D
Acq On : 8 Feb 2021 20:57
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Feb 09 00:44:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 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 | 82 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 46.578 | 6.8 | 74 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.714 | 6.6 | 74 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.398 | 5.2# | 76 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 48.628 | 2.7 | 77 | -0.02 |
| 6 | T | Chloroethane | 50.000 | 47.530 | 4.9 | 74 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.970 | 0.1 | 79 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.458 | 7.1 | 74 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.922 | 0.2 | 81 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 54.169 | -8.3 | 86 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 203.673 | 18.5 | 65 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 45.397 | 9.2# | 76 | 0.00 |
| 13 | T | Acrolein | 250.000 | 254.616 | -1.8 | 83 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 42.722 | 14.6 | 67 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 226.763 | 9.3 | 71 | 0.00 |
| 16 | T | Acetone | 250.000 | 207.307 | 17.1 | 67 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 37.766 | 24.5 | 65 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 48.077 | 3.8 | 79 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 44.994 | 10.0 | 73 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.337 | 7.3 | 78 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 45.229 | 9.5 | 75 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 43.697 | 12.6 | 70 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 211.969 | 15.2 | 66 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 45.916 | 8.2 | 72 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 220.606 | 11.8 | 68 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 40.014 | 20.0 | 65 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.021 | 6.0 | 77 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 40.382 | 19.2 | 69 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 207.157 | 17.1 | 68 | 0.00 |
| 30 | C | Chloroform | 50.000 | 46.869 | 6.3# | 75 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 40.117 | 19.8 | 67 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 46.625 | 6.8 | 75 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 43.970 | 12.1 | 75 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 80 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.522 | 3.0 | 80 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 46.313 | 7.4 | 73 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 44.905 | 10.2 | 68 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.725 | 4.5 | 74 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 43.166 | 13.7 | 68 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.725 | 2.5 | 76 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 41.754 | 16.5 | 67 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 48.187 | 3.6 | 74 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 41.991 | 16.0 | 67 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.943 | 0.1 | 79 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.048 | 3.9# | 74 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.099 | 1.8 | 75 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.038 | 5.9 | 73 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 43.026 | 13.9 | 67 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Feb 09 00:44:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 25 13:47:28 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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 986.981 | 1.3 | 75 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.117 | 3.8 | 80 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 232.563 | 7.0 | 71 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.276 | -0.6# | 79 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 46.985 | 6.0 | 72 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 47.811 | 4.4 | 74 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.607 | -5.2 | 82 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 48.373 | 3.3 | 74 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.607 | -1.2 | 78 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 223.074 | 10.8 | 69 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 235.568 | 5.8 | 71 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.971 | -1.9 | 79 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.941 | -3.9 | 80 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 50.724 | -1.4 | 85 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 84 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 45.167 | 9.7 | 78 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.479 | -1.0 | 84 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.705 | 0.6 | 82 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.319 | 5.4# | 79 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 99.645 | 0.4 | 82 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.797 | -1.6 | 85 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.361 | -2.7 | 83 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.805 | 2.4 | 78 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 88 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 46.224 | 7.6 | 82 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 41.453 | 17.1 | 70 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.973 | 6.1 | 85 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 43.547 | 12.9 | 79 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.334 | -0.7 | 90 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 44.211 | 11.6 | 79 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 44.946 | 10.1 | 81 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 45.944 | 8.1 | 83 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 39.831 | 20.3 | 70 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 44.659 | 10.7 | 80 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 46.172 | 7.7 | 84 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 45.979 | 8.0 | 83 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 45.058 | 9.9 | 81 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 45.108 | 9.8 | 81 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.369 | 1.3 | 87 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 48.283 | 3.4 | 87 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 42.124 | 15.8 | 74 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 44.154 | 11.7 | 77 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.126 | 1.7 | 87 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 41.047 | 17.9 | 70 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 41.716 | 16.6 | 76 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 43.177 | 13.6 | 77 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 41.527 | 16.9 | 77 | 0.00 |

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MSVOA_N
**LabSampleId :**
VSTDCCC050

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012521W.M
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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) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 42.855 | 14.3 | 79 | 0.00 |

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