Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011921\
Data File : VN065548.D
Acq On : 19 Jan 2021 10:29
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 20 00:26:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 18 18:11:15 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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.313 | 3.4 | 104 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.152 | 7.7 | 103 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 47.649 | 4.7# | 102 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 58.161 | -16.3 | 107 | 0.02 |
| 6 | T | Chloroethane | 50.000 | 49.690 | 0.6 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.588 | 0.8 | 106 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 50.597 | -1.2 | 105 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.693 | -3.4 | 108 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 49.288 | 1.4 | 103 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 235.873 | 5.7 | 101 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 48.774 | 2.5# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 219.490 | 12.2 | 92 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 51.934 | -3.9 | 108 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 249.367 | 0.3 | 101 | 0.00 |
| 16 | T | Acetone | 250.000 | 286.659 | -14.7 | 120 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.600 | 6.8 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 45.359 | 9.3 | 101 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.429 | -4.9 | 107 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.034 | 5.9 | 105 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.225 | -0.5 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.275 | -4.5 | 107 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 261.847 | -4.7 | 105 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.021 | -2.0 | 107 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 269.101 | -7.6 | 109 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 53.320 | -6.6 | 110 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 52.180 | -4.4 | 107 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.678 | 8.6 | 101 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 248.768 | 0.5 | 101 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.375 | -2.8# | 108 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.624 | 2.8 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.607 | -3.2 | 107 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 46.307 | 7.4 | 99 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.605 | 2.8 | 100 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.751 | -5.5 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.986 | 0.0 | 104 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 53.012 | -6.0 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.446 | -8.9 | 109 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.863 | -3.7 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 48.170 | 3.7 | 107 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.920 | -3.8 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 52.001 | -4.0 | 105 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 52.443 | -4.9 | 107 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.578 | -5.2# | 105 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.759 | -3.5 | 105 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 53.638 | -7.3 | 106 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 50.242 | -0.5 | 100 | 0.00 |

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Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011821W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 18 18:11:15 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 | 877.616 | 12.2 | 100 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.794 | 4.4 | 99 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 254.065 | -1.6 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 53.178 | -6.4# | 107 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 54.857 | -9.7 | 107 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 55.115 | -10.2 | 108 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.549 | -5.1 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 48.872 | 2.3 | 105 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.608 | -5.2 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 232.464 | 7.0 | 91 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 267.815 | -7.1 | 106 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 54.930 | -9.9 | 106 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.592 | -5.2 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.750 | 2.5 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 102 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.686 | -3.4 | 107 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.462 | -4.9 | 107 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 53.958 | -7.9 | 106 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.711 | -7.4# | 107 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 108.622 | -8.6 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 53.942 | -7.9 | 107 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.430 | -10.9 | 107 | 0.00 |
| 71 | P | Bromoform | 50.000 | 48.796 | 2.4 | 106 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 52.596 | -5.2 | 108 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 50.779 | -1.6 | 103 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 48.284 | 3.4 | 102 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 52.257 | -4.5 | 114 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.751 | -1.5 | 106 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 53.746 | -7.5 | 110 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 51.352 | -2.7 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 53.724 | -7.4 | 108 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.640 | -7.3 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 52.500 | -5.0 | 108 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 53.252 | -6.5 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 54.171 | -8.3 | 110 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 53.726 | -7.5 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 55.069 | -10.1 | 109 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 53.406 | -6.8 | 109 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 51.828 | -3.7 | 108 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 56.880 | -13.8 | 113 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 55.499 | -11.0 | 110 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.352 | -2.7 | 107 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 48.009 | 4.0 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 52.572 | -5.1 | 113 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.164 | -2.3 | 112 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 49.725 | 0.5 | 107 | 0.00 |

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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 | 51.547 | -3.1 | 110 | 0.00 |

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