Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030221\
Data File : VN066101.D
Acq On : 2 Mar 2021 14:40
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** ICVVN030221

Quant Time: Mar 03 03:51:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 02 14:05:08 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 | 108 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.656 | -1.3 | 107 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 49.500 | 1.0 | 108 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.724 | 0.6# | 107 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.603 | 0.8 | 110 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.873 | -1.7 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 49.059 | 1.9 | 105 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.661 | 0.7 | 106 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.645 | -3.3 | 107 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 48.740 | 2.5 | 100 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 232.599 | 7.0 | 100 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 47.843 | 4.3# | 104 | 0.00 |
| 13 | T | Acrolein | 250.000 | 210.781 | 15.7 | 94 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.680 | 2.6 | 98 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 245.400 | 1.8 | 101 | 0.00 |
| 16 | T | Acetone | 250.000 | 273.864 | -9.5 | 126 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.940 | 2.1 | 108 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.923 | 4.2 | 100 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.608 | 6.8 | 102 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 46.060 | 7.9 | 103 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 51.163 | -2.3 | 108 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.527 | 0.9 | 104 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 244.124 | 2.4 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.620 | 0.8 | 104 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 250.476 | -0.2 | 106 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.825 | -1.7 | 110 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.510 | 1.0 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 48.512 | 3.0 | 109 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 231.874 | 7.3 | 98 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.377 | 3.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 48.216 | 3.6 | 110 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 48.231 | 3.5 | 103 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.648 | 8.7 | 103 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 106 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 47.567 | 4.9 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 52.892 | -5.8 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 50.177 | -0.4 | 99 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.173 | -0.3 | 105 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 54.033 | -8.1 | 112 | 0.00 |
| 40 | TM | Benzene | 50.000 | 50.689 | -1.4 | 106 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 44.045 | 11.9 | 90 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.230 | -2.5 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 48.983 | 2.0 | 103 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.018 | -2.0 | 108 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.514 | -1.0# | 107 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.429 | -2.9 | 102 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.389 | -0.8 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 48.115 | 3.8 | 100 | 0.00 |

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** MSVOA_N
**ClientSampleId :** ICVVN030221

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030221W.M
Quant Title : SW846 8260
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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) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 914.007 | 8.6 | 100 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 48.300 | 3.4 | 106 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 243.684 | 2.5 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.294 | -2.6# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 50.694 | -1.4 | 105 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.234 | -2.5 | 107 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 49.197 | 1.6 | 105 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 52.333 | -4.7 | 107 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 50.436 | -0.9 | 105 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 237.086 | 5.2 | 95 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 258.162 | -3.3 | 103 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 51.586 | -3.2 | 107 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.398 | -0.8 | 102 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.457 | 3.1 | 108 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 106 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.615 | -3.2 | 108 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.350 | -2.7 | 107 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.079 | -2.2 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 51.651 | -3.3# | 108 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 103.152 | -3.2 | 108 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 51.145 | -2.3 | 108 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.690 | -5.4 | 106 | 0.00 |
| 71 | P | Bromoform | 50.000 | 50.505 | -1.0 | 103 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 110 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.064 | 1.9 | 108 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 44.614 | 10.8 | 102 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.494 | 7.0 | 104 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.422 | 3.2 | 99 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.889 | 2.2 | 105 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.840 | 0.3 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.283 | 3.4 | 109 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.689 | 2.6 | 109 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 47.226 | 5.5 | 101 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.326 | 3.3 | 108 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.880 | 2.2 | 109 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.978 | 0.0 | 111 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.700 | 0.6 | 110 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.512 | -1.0 | 111 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.546 | -3.1 | 111 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.392 | 1.2 | 110 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.676 | -5.4 | 111 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.159 | -2.3 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 51.054 | -2.1 | 107 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 45.820 | 8.4 | 96 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 55.621 | -11.2 | 110 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.029 | -6.1 | 119 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 50.339 | -0.7 | 104 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.750 | -3.5 | 111 | 0.00 |

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