Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010521\
Data File : VN065386.D
Acq On : 5 Jan 2021 15:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jan 06 01:16:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
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 | 120 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 43.309 | 13.4 | 98 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.122 | 3.8 | 111 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.676 | 0.6# | 113 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 49.517 | 1.0 | 116 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.929 | 0.1 | 114 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 44.195 | 11.6 | 103 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 46.021 | 8.0 | 111 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.120 | 5.8 | 112 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 47.232 | 5.5 | 107 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 203.042 | 18.8 | 94 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 44.702 | 10.6# | 109 | 0.00 |
| 13 | T | Acrolein | 250.000 | 238.073 | 4.8 | 112 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 42.796 | 14.4 | 100 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 239.572 | 4.2 | 110 | 0.00 |
| 16 | T | Acetone | 250.000 | 208.278 | 16.7 | 98 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.873 | 14.3 | 98 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 47.940 | 4.1 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 45.233 | 9.5 | 107 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 45.440 | 9.1 | 116 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 47.381 | 5.2 | 111 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 46.450 | 7.1 | 111 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 222.924 | 10.8 | 103 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.451 | 3.1 | 113 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 219.481 | 12.2 | 101 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 43.232 | 13.5 | 104 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 49.400 | 1.2 | 116 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 43.479 | 13.0 | 111 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 216.709 | 13.3 | 103 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.215 | 3.6# | 113 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 43.396 | 13.2 | 107 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 45.505 | 9.0 | 107 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.771 | 8.5 | 108 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 118 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 50.908 | -1.8 | 119 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.624 | 4.8 | 111 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 43.864 | 12.3 | 101 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 45.993 | 8.0 | 107 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 47.573 | 4.9 | 108 | 0.00 |
| 40 | TM | Benzene | 50.000 | 49.986 | 0.0 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 41.260 | 17.5 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 45.592 | 8.8 | 108 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 42.708 | 14.6 | 98 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.386 | -0.8 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.472 | -0.9# | 117 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 49.230 | 1.5 | 115 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 47.283 | 5.4 | 110 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 42.619 | 14.8 | 99 | 0.00 |

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

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

Quant Time: Jan 06 01:16:52 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122220W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 22 15:42:18 2020
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 | 977.815 | 2.2 | 113 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.382 | -2.8 | 121 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 222.755 | 10.9 | 102 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.470 | -0.9# | 117 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 47.139 | 5.7 | 109 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 48.251 | 3.5 | 113 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.757 | -1.5 | 117 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.908 | 4.2 | 111 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.130 | -2.3 | 118 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 231.239 | 7.5 | 109 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 221.798 | 11.3 | 100 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.776 | 2.4 | 113 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 50.001 | -0.0 | 116 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 48.832 | 2.3 | 122 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 48.232 | 3.5 | 119 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.006 | -2.0 | 122 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.691 | 0.6 | 118 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 49.328 | 1.3# | 118 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 100.521 | -0.5 | 120 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 50.265 | -0.5 | 120 | 0.00 |
| 70 | T | Styrene | 50.000 | 51.327 | -2.7 | 120 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.110 | 5.8 | 110 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 126 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 45.820 | 8.4 | 120 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 40.943 | 18.1 | 101 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.444 | 7.1 | 120 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 47.903 | 4.2 | 129 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 47.800 | 4.4 | 123 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 45.926 | 8.1 | 118 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 46.151 | 7.7 | 118 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 45.926 | 8.1 | 119 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 41.105 | 17.8 | 103 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 46.461 | 7.1 | 120 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 46.255 | 7.5 | 120 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 47.852 | 4.3 | 123 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 46.127 | 7.7 | 119 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 46.393 | 7.2 | 119 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 49.781 | 0.4 | 126 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 49.304 | 1.4 | 125 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 45.416 | 9.2 | 114 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 45.391 | 9.2 | 112 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 50.546 | -1.1 | 126 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 42.185 | 15.6 | 103 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 45.435 | 9.1 | 120 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 44.730 | 10.5 | 120 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 42.226 | 15.5 | 113 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 46.033 | 7.9 | 124 | 0.02 |

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