Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032921\
Data File : VN066387.D
Acq On : 29 Mar 2021 19:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Mar 30 01:40:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032521W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 26 16:26:01 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 | 50.527 | -1.1 | 88 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 51.755 | -3.5 | 91 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 54.704 | -9.4# | 97 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.535 | -9.1 | 95 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 55.362 | -10.7 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.869 | -7.7 | 94 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 53.244 | -6.5 | 97 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 54.388 | -8.8 | 96 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 52.780 | -5.6 | 89 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 299.204 | -19.7 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 53.130 | -6.3# | 95 | 0.00 |
| 13 | T | Acrolein | 250.000 | 248.447 | 0.6 | 84 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 55.095 | -10.2 | 94 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 275.301 | -10.1 | 94 | 0.00 |
| 16 | T | Acetone | 250.000 | 253.691 | -1.5 | 91 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 52.825 | -5.7 | 95 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 60.771 | -21.5 | 104 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 49.751 | 0.5 | 89 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 57.923 | -15.8 | 98 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.743 | 0.5 | 90 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 52.605 | -5.2 | 93 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 272.676 | -9.1 | 94 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 51.232 | -2.5 | 91 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 275.627 | -10.3 | 94 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 46.896 | 6.2 | 83 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 51.350 | -2.7 | 92 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 52.821 | -5.6 | 93 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 285.193 | -14.1 | 96 | 0.00 |
| 30 | C | Chloroform | 50.000 | 52.298 | -4.6# | 93 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.689 | 0.6 | 91 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 51.710 | -3.4 | 91 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 51.442 | -2.9 | 90 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.211 | -2.4 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.909 | -1.8 | 91 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 55.146 | -10.3 | 95 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 49.836 | 0.3 | 89 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.508 | -1.0 | 89 | 0.00 |
| 40 | TM | Benzene | 50.000 | 52.600 | -5.2 | 93 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 52.841 | -5.7 | 99 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 51.429 | -2.9 | 92 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.903 | -7.8 | 94 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 49.079 | 1.8 | 88 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 52.126 | -4.3# | 93 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 52.474 | -4.9 | 92 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.269 | -2.5 | 91 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 51.834 | -3.7 | 90 | 0.00 |

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ALS Vial : 25 Sample Multiplier: 1

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

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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 | 1147.581 | -14.8 | 99 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 51.854 | -3.7 | 92 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 282.190 | -12.9 | 95 | 0.00 |
| 52 | CM | Toluene | 50.000 | 52.906 | -5.8# | 93 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 51.267 | -2.5 | 90 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.789 | -3.6 | 90 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 52.848 | -5.7 | 93 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 53.799 | -7.6 | 92 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 53.345 | -6.7 | 93 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 363.069 | -45.2# | 155 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 291.327 | -16.5 | 95 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 53.241 | -6.5 | 91 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.868 | -5.7 | 92 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 52.336 | -4.7 | 91 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 90 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 41.737 | 16.5 | 76 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 51.961 | -3.9 | 92 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 51.909 | -3.8 | 91 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 52.636 | -5.3# | 93 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 104.026 | -4.0 | 92 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.036 | -4.1 | 92 | 0.00 |
| 70 | T | Styrene | 50.000 | 53.301 | -6.6 | 90 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.584 | -7.2 | 91 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 89 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.859 | 0.3 | 90 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 49.777 | 0.4 | 89 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 53.541 | -7.1 | 99 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 50.816 | -1.6 | 93 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.275 | -0.5 | 92 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.947 | -3.9 | 91 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.625 | 0.8 | 91 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 50.409 | -0.8 | 90 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 53.510 | -7.0 | 90 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.475 | -1.0 | 89 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 50.616 | -1.2 | 92 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.191 | -2.4 | 91 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.354 | -2.7 | 90 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 51.497 | -3.0 | 89 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 51.883 | -3.8 | 92 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 50.162 | -0.3 | 90 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 52.528 | -5.1 | 90 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 52.031 | -4.1 | 93 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 52.236 | -4.5 | 92 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 56.655 | -13.3 | 97 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.730 | 0.5 | 87 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 48.811 | 2.4 | 88 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 51.079 | -2.2 | 92 | 0.00 |

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|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.937 | 2.1 | 90 | 0.00 |

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