# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU102318\
Data File : VU027768.D
Acq On : 23 Oct 2018 17:45
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 31 Sample Multiplier: 1

**Instrument :** MSVOA_U
**LabSampleId :** VSTDCCC010

Quant Time: Oct 24 08:03:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U0102318DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 23 09:12:15 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 10.641 | -6.4 | 89 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 10.145 | -1.4 | 89 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 10.078 | -0.8 | 84 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.221 | -2.2 | 89 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 10.372 | -3.7 | 89 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 10.763 | -7.6 | 91 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 10.660 | -6.6 | 90 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.571 | -5.7 | 88 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 11.534 | -15.3 | 86 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.507 | -5.1 | 90 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 18.859 | 5.7 | 88 | 0.00 |
| 13 | T | Acetone | 50.000 | 48.859 | 2.3 | 93 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 10.071 | -0.7 | 86 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.569 | 4.3 | 89 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.725 | -7.2 | 90 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.213 | -2.1 | 88 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 49.069 | 1.9 | 88 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 10.125 | -1.3 | 86 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.650 | -6.5 | 88 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 10.613 | -6.1 | 94 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.339 | -3.4 | 89 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 10.246 | -2.5 | 86 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 109.768 | -9.8 | 91 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.438 | -4.4 | 89 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 10.391 | -3.9 | 88 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.596 | -6.0 | 90 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.678 | -6.8 | 89 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.600 | -6.0 | 87 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.600 | -6.0 | 89 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.364 | -3.6 | 87 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 10.383 | -3.8 | 88 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 10.423 | -4.2 | 87 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 54.569 | -9.1 | 90 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.457 | -4.6 | 87 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.524 | -5.2 | 88 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.385 | -3.8 | 88 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.507 | -5.1 | 88 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 10.397 | -4.0 | 88 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 10.419 | -4.2 | 86 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 19.216 | 3.9 | 88 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.328 | -3.3 | 86 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.969 | -9.7 | 90 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.711 | -7.1 | 89 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 53.336 | -6.7 | 89 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 21.455 | -7.3 | 87 | 0.00 |

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Max. RRF Dev : 30% Max. Rel. Area : 200%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 47 | t | Methyl methacrylate | 20.000 | 21.467 | -7.3 | 86 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 10.931 | -9.3 | 88 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.771 | -7.7 | 88 | 0.00 |
| 50 | T | t-1,3-Dichloropropene | 10.000 | 10.948 | -9.5 | 89 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.659 | -6.6 | 87 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.930 | -9.3 | 90 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.653 | -6.5 | 88 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 54.360 | -8.7 | 91 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.874 | -8.7 | 89 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.877 | -8.8 | 90 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.093 | -9.3 | 90 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.439 | -4.4 | 89 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.708 | -7.1 | 89 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.953 | -9.5 | 90 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 11.333 | -13.3 | 88 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 11.150 | -11.5 | 88 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.913 | -9.1 | 90 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 21.574 | -7.9 | 88 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.569 | -5.7 | 87 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.970 | -9.7 | 88 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.919 | -9.2 | 87 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.028 | -2.8 | 86 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.749 | -7.5 | 89 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.766 | -7.7 | 89 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.476 | -4.8 | 87 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 11.078 | -10.8 | 88 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.992 | -9.9 | 87 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 10.878 | -8.8 | 88 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.935 | -9.4 | 89 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 11.298 | -13.0 | 92 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.908 | -9.1 | 90 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 11.159 | -11.6 | 91 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 11.049 | -10.5 | 90 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 53.779 | -7.6 | 74 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 11.175 | -11.8 | 90 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 11.068 | -10.7 | 90 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.916 | -9.2 | 91 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 11.738 | -17.4 | 92 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.882 | -8.8 | 90 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.559 | -5.6 | 83 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 11.542 | -15.4 | 89 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 11.230 | -12.3 | 92 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 11.087 | -10.9 | 87 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 11.132 | -11.3 | 90 | 0.00 |

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|---|---|---|---|---|---|

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