# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
Data File : VU051448.D
Acq On : 19 Oct 2022 09:45
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 20 07:11:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 18 04:53:19 2022
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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 10.331 | -3.3 | 98 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 8.529 | 14.7 | 93 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.505 | 4.9 | 97 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.768 | -7.7 | 112 | 0.01 |
| 6 | T | Chloroethane | 10.000 | 10.463 | -4.6 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 10.184 | -1.8 | 99 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 10.765 | -7.7 | 106 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.225 | -2.2 | 104 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.976 | -9.8 | 108 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 9.757 | 2.4 | 99 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 21.226 | -6.1 | 107 | 0.00 |
| 13 | T | Acetone | 50.000 | 53.679 | -7.4 | 112 | 0.02 |
| 14 | T | Carbon Disulfide | 10.000 | 10.217 | -2.2 | 104 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 10.516 | -5.2 | 103 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.081 | -0.8 | 105 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 9.801 | 2.0 | 100 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 60.346 | -20.7 | 107 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 11.954 | -19.5 | 99 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.236 | -2.4 | 101 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 10.340 | -3.4 | 105 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.761 | -7.6 | 102 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.976 | 0.2 | 100 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 88.444 | 11.6 | 89 | 0.05 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.320 | -3.2 | 102 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 10.394 | -3.9 | 103 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.049 | -0.5 | 103 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.246 | -2.5 | 103 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 11.403 | -14.0 | 101 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.399 | -4.0 | 103 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.694 | -6.9 | 101 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 11.042 | -10.4 | 100 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 11.795 | -17.9 | 102 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 61.362 | -22.7 | 110 | 0.01 |
| 35 | RT | Benzene | 10.000 | 10.653 | -6.5 | 102 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.415 | -4.1 | 104 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 10.507 | -5.1 | 101 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.415 | -4.1 | 101 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 11.532 | -15.3 | 101 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 13.019 | -30.2# | 114 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 23.154 | -15.8 | 105 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 11.481 | -14.8 | 102 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.415 | -4.1 | 104 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.204 | -2.0 | 102 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 60.289 | -20.6 | 99 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 20.520 | -2.6 | 99 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 20.265 | -1.3 | 101 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 9.841 | 1.6 | 98 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 11.732 | -17.3 | 102 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101922\
Data File : VU051448.D
Acq On : 19 Oct 2022 09:45
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 20 07:11:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101722DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Oct 18 04:53:19 2022
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) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 10.000 | 11.407 | -14.1 | 104 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.817 | -8.2 | 100 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.451 | -4.5 | 102 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.957 | -9.6 | 101 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 51.204 | -2.4 | 102 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.759 | -7.6 | 104 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.908 | -9.1 | 103 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.162 | -16.2 | 104 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.679 | -6.8 | 101 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.976 | -9.8 | 101 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.402 | -4.0 | 103 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.435 | -4.4 | 102 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 10.412 | -4.1 | 100 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.004 | -0.0 | 100 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 20.483 | -2.4 | 99 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 9.986 | 0.1 | 98 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.134 | -1.3 | 100 | 0.00 |
| 67 | t | Bromoform | 10.000 | 11.145 | -11.4 | 104 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.006 | -0.6 | 94 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.097 | -1.0 | 100 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.447 | -4.5 | 100 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.971 | -9.7 | 109 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 11.372 | -13.7 | 101 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.223 | -2.2 | 100 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 12.117 | -21.2 | 100 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.342 | -3.4 | 101 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 10.387 | -3.9 | 102 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 12.242 | -22.4 | 101 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.311 | -3.1 | 101 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 10.373 | -3.7 | 101 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 47.332 | 5.3 | 88 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.352 | -3.5 | 100 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 11.247 | -12.5 | 102 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 11.764 | -17.6 | 102 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 10.287 | -2.9 | 100 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 11.259 | -12.6 | 102 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.387 | -3.9 | 98 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 11.026 | -10.3 | 99 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 11.292 | -12.9 | 103 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 10.438 | -4.4 | 91 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 10.657 | -6.6 | 97 | 0.00 |

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