# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072121\
Data File : VU044382.D
Acq On : 21 Jul 2021 17:38
Operator : SY/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 22 05:03:17 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U071621DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Jul 16 14:36:39 2021
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 | 91 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 9.386 | 6.1 | 83 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.398 | 6.0 | 84 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.974 | 0.3 | 88 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 9.759 | 2.4 | 86 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.706 | 2.9 | 90 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 10.621 | -6.2 | 92 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 10.458 | -4.6 | 91 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.382 | -3.8 | 91 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.632 | -6.3 | 89 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.352 | -3.5 | 91 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 18.991 | 5.0 | 75 | 0.00 |
| 13 | T | Acetone | 50.000 | 50.008 | -0.0 | 79 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 9.821 | 1.8 | 86 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 8.841 | 11.6 | 92 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.261 | -2.6 | 91 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.386 | -3.9 | 92 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 49.829 | 0.3 | 78 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 10.134 | -1.3 | 90 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 9.825 | 1.8 | 84 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 10.342 | -3.4 | 91 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.501 | -5.0 | 93 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 10.564 | -5.6 | 92 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 106.930 | -6.9 | 89 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.406 | -4.1 | 91 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 10.394 | -3.9 | 94 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.415 | -4.1 | 94 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.296 | -3.0 | 91 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.121 | -1.2 | 88 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 9.958 | 0.4 | 88 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.506 | -5.1 | 91 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 10.089 | -0.9 | 88 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 10.199 | -2.0 | 91 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 48.521 | 3.0 | 80 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.070 | -0.7 | 89 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.632 | -6.3 | 96 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 9.849 | 1.5 | 86 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 9.972 | 0.3 | 88 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 10.472 | -4.7 | 89 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 9.977 | 0.2 | 84 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 18.338 | 8.3 | 79 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.010 | -0.1 | 89 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.294 | -2.9 | 90 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.187 | -1.9 | 89 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 51.612 | -3.2 | 90 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 20.585 | -2.9 | 84 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 20.306 | -1.5 | 89 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 9.961 | 0.4 | 87 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.093 | -0.9 | 87 | 0.00 |

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**LabSampleId :** VSTDCCC010

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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 | 9.992 | 0.1 | 84 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.000 | 0.0 | 86 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.261 | -2.6 | 91 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.156 | -1.6 | 90 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 52.272 | -4.5 | 90 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.262 | -2.6 | 88 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.295 | -2.9 | 90 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 0.950 | 5.0 | 87 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.222 | -2.2 | 89 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 9.983 | 0.2 | 87 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.093 | -0.9 | 87 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 9.677 | 3.2 | 83 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 10.063 | -0.6 | 84 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.178 | -1.8 | 87 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 20.217 | -1.1 | 87 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.196 | -2.0 | 87 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.271 | -2.7 | 88 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.250 | -2.5 | 85 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 0.977 | 2.3 | 88 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.146 | -1.5 | 87 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.498 | -5.0 | 92 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 9.130 | 8.7 | 80 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 9.912 | 0.9 | 87 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.155 | -1.5 | 86 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 9.869 | 1.3 | 87 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.243 | -2.4 | 88 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 9.933 | 0.7 | 88 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.013 | -0.1 | 86 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.255 | -2.6 | 87 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 10.266 | -2.7 | 88 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 44.986 | 10.0 | 71 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.303 | -3.0 | 88 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 9.964 | 0.4 | 88 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 9.976 | 0.2 | 88 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 10.603 | -6.0 | 88 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.042 | -0.4 | 88 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 10.692 | -6.9 | 88 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 10.291 | -2.9 | 86 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 9.945 | 0.5 | 85 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 10.641 | -6.4 | 87 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 10.347 | -3.5 | 87 | 0.00 |

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