# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091622\
Data File : VU050721.D
Acq On : 16 Sep 2022 11:32
Operator : JC/MD
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Sep 17 01:02:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Aug 25 14:01:59 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 | 138 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 9.932 | 0.7 | 132 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 7.999 | 20.0 | 109 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.236 | 7.6 | 121 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 11.596 | -16.0 | 163 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 8.740 | 12.6 | 116 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 8.720 | 12.8 | 116 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 8.742 | 12.6 | 118 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 8.679 | 13.2 | 116 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 12.580 | -25.8 | 162 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 9.218 | 7.8 | 122 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 15.724 | 21.4 | 102 | 0.00 |
| 13 | T | Acetone | 50.000 | 46.695 | 6.6 | 126 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 7.838 | 21.6 | 106 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 8.145 | 18.6 | 123 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 8.673 | 13.3 | 115 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 9.383 | 6.2 | 126 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 47.355 | 5.3 | 122 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 9.784 | 2.2 | 133 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 12.435 | -24.4 | 144 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 9.529 | 4.7 | 136 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 9.923 | 0.8 | 133 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 8.808 | 11.9 | 117 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 81.613 | 18.4 | 119 | 0.00 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 8.701 | 13.0 | 117 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 10.726 | -7.3 | 147 | 0.00 |
| 27 | t | Chloroform | 10.000 | 9.824 | 1.8 | 132 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 9.423 | 5.8 | 126 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.028 | -0.3 | 136 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 9.702 | 3.0 | 126 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 8.665 | 13.4 | 117 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 9.713 | 2.9 | 126 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 13.479 | -34.8# | 152 | 0.00 |
| 34 | t | Propionitrile | 50.000 | 50.276 | -0.6 | 151 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.660 | -6.6 | 138 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 9.669 | 3.3 | 129 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 9.964 | 0.4 | 132 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 10.913 | -9.1 | 138 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 8.420 | 15.8 | 123 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 8.674 | 13.3 | 129 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 17.232 | 13.8 | 116 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 9.985 | 0.2 | 137 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 9.859 | 1.4 | 127 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.420 | -4.2 | 136 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 56.232 | -12.5 | 129 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 19.553 | 2.2 | 125 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 18.760 | 6.2 | 128 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 9.293 | 7.1 | 128 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 11.706 | -17.1 | 134 | 0.00 |

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ALS Vial : 2 Sample Multiplier: 1

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U081922DW.M
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QLast Update : Thu Aug 25 14:01:59 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 | 11.434 | -14.3 | 137 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 11.658 | -16.6 | 142 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 9.589 | 4.1 | 124 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.375 | -3.8 | 129 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 56.235 | -12.5 | 130 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 9.637 | 3.6 | 126 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 9.645 | 3.6 | 122 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.169 | -16.9 | 138 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 9.291 | 7.1 | 121 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 11.095 | -11.0 | 133 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.131 | -1.3 | 130 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.630 | -6.3 | 136 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 11.547 | -15.5 | 141 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 9.943 | 0.6 | 136 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 19.991 | 0.0 | 134 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 9.936 | 0.6 | 134 | 0.00 |
| 66 | RT | Styrene | 10.000 | 9.813 | 1.9 | 132 | 0.00 |
| 67 | t | Bromoform | 10.000 | 9.672 | 3.3 | 123 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 0.922 | 7.8 | 120 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 9.997 | 0.0 | 138 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 9.563 | 4.4 | 124 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 9.798 | 2.0 | 123 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 10.773 | -7.7 | 128 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 9.606 | 3.9 | 129 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 9.927 | 0.7 | 133 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 9.944 | 0.6 | 132 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 9.781 | 2.2 | 127 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 9.817 | 1.8 | 133 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 9.667 | 3.3 | 131 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 9.644 | 3.6 | 131 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 44.770 | 10.5 | 117 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 9.323 | 6.8 | 126 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.813 | -8.1 | 127 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.869 | -8.7 | 127 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 9.438 | 5.6 | 130 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.626 | -6.3 | 126 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 9.045 | 9.6 | 117 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 11.140 | -11.4 | 128 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 10.181 | -1.8 | 127 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 7.759 | 22.4 | 110 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 8.620 | 13.8 | 118 | 0.00 |

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