# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080724\
Data File : VU060330.D
Acq On : 07 Aug 2024 10:13
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 08 05:48:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 11:07:28 2024
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 | 100 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 9.844 | 1.6 | 96 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.508 | 4.9 | 97 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 10.128 | -1.3 | 99 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.770 | -7.7 | 107 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.968 | 0.3 | 98 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 10.128 | -1.3 | 98 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 10.322 | -3.2 | 101 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.365 | -3.7 | 104 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.626 | -6.3 | 104 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 9.366 | 6.3 | 92 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 18.449 | 7.8 | 98 | 0.00 |
| 13 | T | Acetone | 50.000 | 53.078 | -6.2 | 141 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 9.771 | 2.3 | 97 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.645 | 3.6 | 99 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.482 | -4.8 | 102 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 9.803 | 2.0 | 98 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 52.165 | -4.3 | 121 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 9.632 | 3.7 | 93 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 12.697 | -27.0 | 108 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 9.833 | 1.7 | 99 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.579 | -5.8 | 103 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 10.378 | -3.8 | 105 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 72.014 | 28.0 | 81 | 0.11 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 9.427 | 5.7 | 95 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 11.102 | -11.0 | 110 | 0.00 |
| 27 | t | Chloroform | 10.000 | 10.336 | -3.4 | 104 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 10.282 | -2.8 | 103 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 11.002 | -10.0 | 108 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.895 | -8.9 | 106 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 8.973 | 10.3 | 89 | -0.01 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 9.102 | 9.0 | 90 | -0.01 |
| 33 | | Tert-Amyl methyl ether | 10.000 | 12.022 | -20.2 | 113 | -0.01 |
| 34 | t | Propionitrile | 50.000 | 43.736 | 12.5 | 97 | 0.00 |
| 35 | RT | Benzene | 10.000 | 11.330 | -13.3 | 108 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 10.323 | -3.2 | 103 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 11.570 | -15.7 | 111 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 11.044 | -10.4 | 105 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 7.522 | 24.8 | 82 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 8.628 | 13.7 | 95 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 15.796 | 21.0 | 93 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.925 | -9.3 | 106 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.312 | -3.1 | 102 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.925 | -9.3 | 107 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 57.198 | -14.4 | 109 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 22.138 | -10.7 | 105 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 24.137 | -20.7 | 108 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 12.887 | -28.9 | 113 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 12.407 | -24.1 | 107 | 0.00 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 08 05:48:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U080524DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Aug 06 11:07:28 2024
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 | 11.985 | -19.8 | 109 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 11.987 | -19.9 | 111 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.356 | -3.6 | 104 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.895 | -8.9 | 105 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 66.995 | -34.0# | 129 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.871 | -8.7 | 105 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.541 | -5.4 | 102 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.073 | -7.3 | 96 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 11.665 | -16.6 | 110 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 12.393 | -23.9 | 112 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 11.033 | -10.3 | 107 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.794 | -7.9 | 102 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 11.223 | -12.2 | 105 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.937 | -9.4 | 110 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 21.923 | -9.6 | 108 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.979 | -9.8 | 110 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.832 | -8.3 | 107 | 0.00 |
| 67 | t | Bromoform | 10.000 | 10.781 | -7.8 | 107 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 1.069 | -6.9 | 101 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.920 | -9.2 | 109 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.003 | -0.0 | 100 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 10.408 | -4.1 | 95 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 12.185 | -21.9 | 108 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 11.126 | -11.3 | 109 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 10.976 | -9.8 | 107 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 11.019 | -10.2 | 108 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 10.970 | -9.7 | 106 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.861 | -8.6 | 109 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.923 | -9.2 | 108 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 10.803 | -8.0 | 106 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 42.304 | 15.4 | 85 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.982 | -9.8 | 108 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 12.213 | -22.1 | 107 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 12.441 | -24.4 | 107 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 10.783 | -7.8 | 106 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 11.947 | -19.5 | 107 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 9.598 | 4.0 | 95 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 12.623 | -26.2 | 109 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 11.908 | -19.1 | 106 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 11.675 | -16.8 | 104 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 11.985 | -19.8 | 103 | 0.00 |

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