# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072223\
Data File : VU054847.D
Acq On : 21 Jul 2023 21:04
Operator : MD/SY
Sample : VSTDICV010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU072223

Quant Time: Jul 24 11:48:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Jul 24 09:59:15 2023
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 | 101 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 10.000 | 7.391 | 26.1 | 74 | 0.00 |
| 3 | t | Chloromethane | 10.000 | 9.381 | 6.2 | 100 | 0.00 |
| 4 | Rt | Vinyl Chloride | 10.000 | 9.830 | 1.7 | 99 | 0.00 |
| 5 | T | Bromomethane | 10.000 | 10.448 | -4.5 | 107 | 0.00 |
| 6 | T | Chloroethane | 10.000 | 9.442 | 5.6 | 99 | 0.00 |
| 7 | T | Trichlorofluoromethane | 10.000 | 9.212 | 7.9 | 88 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 10.000 | 9.302 | 7.0 | 91 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 10.000 | 10.179 | -1.8 | 100 | 0.00 |
| 10 | t | Iodomethane | 10.000 | 10.201 | -2.0 | 98 | 0.00 |
| 11 | t | Allyl Chloride | 10.000 | 10.696 | -7.0 | 109 | 0.00 |
| 12 | t | Acrylonitrile | 20.000 | 49.937 | -149.7# | 251 | 0.00 |
| 13 | T | Acetone | 50.000 | 38.245 | 23.5 | 89 | 0.00 |
| 14 | T | Carbon Disulfide | 10.000 | 12.365 | -23.7 | 121 | 0.00 |
| 15 | RT | Methylene Chloride | 10.000 | 9.330 | 6.7 | 97 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 10.000 | 10.416 | -4.2 | 104 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 10.000 | 10.090 | -0.9 | 101 | 0.00 |
| 18 | T | 2-Butanone | 50.000 | 45.597 | 8.8 | 90 | 0.00 |
| 19 | | Cyclohexane | 10.000 | 9.985 | 0.2 | 102 | 0.00 |
| 20 | | Methylcyclohexane | 10.000 | 10.680 | -6.8 | 104 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 10.000 | 8.906 | 10.9 | 88 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 10.000 | 10.405 | -4.0 | 100 | 0.00 |
| 23 | t | Diethyl Ether | 10.000 | 9.299 | 7.0 | 93 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 100.000 | 54.803 | 45.2# | 57 | -0.08 |
| 25 | t | Methyl tert-Butyl Ether | 10.000 | 10.429 | -4.3 | 102 | 0.00 |
| 26 | t | Bromochloromethane | 10.000 | 6.047 | 39.5# | 55 | 0.00 |
| 27 | t | Chloroform | 10.000 | 9.937 | 0.6 | 98 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 10.000 | 9.842 | 1.6 | 94 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 10.000 | 10.742 | -7.4 | 102 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 10.000 | 10.333 | -3.3 | 100 | 0.00 |
| 31 | t | Isopropyl Ether | 10.000 | 10.234 | -2.3 | 98 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 10.000 | 0.000 | 100.0# | 0 | -4.50# |
| 33 | | Tert-Amyl methyl ether | 10.000 | 0.000 | 100.0# | 0 | -5.94# |
| 34 | t | Propionitrile | 50.000 | 112.460 | -124.9# | 208 | 0.00 |
| 35 | RT | Benzene | 10.000 | 10.454 | -4.5 | 101 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 10.000 | 9.829 | 1.7 | 94 | 0.00 |
| 37 | RT | Trichloroethene | 10.000 | 9.985 | 0.2 | 97 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 10.000 | 9.883 | 1.2 | 98 | 0.00 |
| 39 | t | Methacrylonitrile | 10.000 | 10.389 | -3.9 | 99 | 0.00 |
| 40 | t | Methyl acrylate | 10.000 | 11.339 | -13.4 | 110 | 0.00 |
| 41 | t | Tetrahydrofuran | 20.000 | 50.209 | -151.0# | 252 | 0.00 |
| 42 | t | 1-Chlorobutane | 10.000 | 10.833 | -8.3 | 105 | 0.00 |
| 43 | T | Dibromomethane | 10.000 | 10.834 | -8.3 | 103 | 0.00 |
| 44 | T | Bromodichloromethane | 10.000 | 10.612 | -6.1 | 101 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 50.000 | 49.601 | 0.8 | 94 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 20.000 | 11.434 | 42.8# | 55 | 0.00 |
| 47 | t | Methyl methacrylate | 20.000 | 10.169 | 49.2# | 46 | 0.00 |
| 48 | t | Ethyl methacrylate | 10.000 | 10.365 | -3.7 | 98 | 0.00 |
| 49 | Rt | Toluene | 10.000 | 10.744 | -7.4 | 103 | 0.00 |

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ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
ICVVU072223

Quant Time: Jul 24 11:48:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Mon Jul 24 09:59:15 2023
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 | 10.777 | -7.8 | 99 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 10.000 | 10.690 | -6.9 | 101 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 10.000 | 10.509 | -5.1 | 101 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 10.000 | 10.333 | -3.3 | 96 | 0.00 |
| 54 | t | 2-Hexanone | 50.000 | 49.755 | 0.5 | 96 | 0.00 |
| 55 | t | Dibromochloromethane | 10.000 | 10.565 | -5.6 | 98 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 10.000 | 10.840 | -8.4 | 97 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 1.000 | 1.214 | -21.4 | 121 | 0.00 |
| 58 | RT | Tetrachloroethene | 10.000 | 10.266 | -2.7 | 100 | 0.00 |
| 59 | Rt | Chlorobenzene | 10.000 | 10.002 | -0.0 | 95 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 10.000 | 10.619 | -6.2 | 97 | 0.00 |
| 61 | t | Pentachloroethane | 10.000 | 10.827 | -8.3 | 100 | 0.00 |
| 62 | t | Hexachloroethane | 10.000 | 10.553 | -5.5 | 94 | 0.00 |
| 63 | Rt | Ethyl Benzene | 10.000 | 10.476 | -4.8 | 98 | 0.00 |
| 64 | RT | m/p-Xylenes | 20.000 | 21.259 | -6.3 | 100 | 0.00 |
| 65 | RT | o-Xylene | 10.000 | 10.382 | -3.8 | 100 | 0.00 |
| 66 | RT | Styrene | 10.000 | 10.976 | -9.8 | 102 | 0.00 |
| 67 | t | Bromoform | 10.000 | 11.029 | -10.3 | 100 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 1.000 | 0.987 | 1.3 | 97 | 0.00 |
| 69 | T | Isopropylbenzene | 10.000 | 10.341 | -3.4 | 97 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 10.000 | 10.542 | -5.4 | 99 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 10.000 | 9.390 | 6.1 | 93 | 0.00 |
| 72 | t | Bromobenzene | 10.000 | 10.190 | -1.9 | 98 | 0.00 |
| 73 | t | n-propylbenzene | 10.000 | 10.294 | -2.9 | 98 | 0.00 |
| 74 | t | 2-Chlorotoluene | 10.000 | 10.557 | -5.6 | 102 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 10.000 | 10.522 | -5.2 | 99 | 0.00 |
| 76 | t | 4-Chlorotoluene | 10.000 | 10.505 | -5.1 | 98 | 0.00 |
| 77 | t | tert-Butylbenzene | 10.000 | 10.412 | -4.1 | 98 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 10.000 | 10.518 | -5.2 | 96 | 0.00 |
| 79 | t | sec-Butylbenzene | 10.000 | 10.831 | -8.3 | 99 | 0.00 |
| 80 | | Nitrobenzene | 50.000 | 11.207 | 77.6# | 19 | 0.00 |
| 81 | t | p-Isopropyltoluene | 10.000 | 10.665 | -6.6 | 97 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 10.000 | 10.480 | -4.8 | 99 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 10.000 | 10.283 | -2.8 | 98 | 0.00 |
| 84 | t | n-Butylbenzene | 10.000 | 11.261 | -12.6 | 99 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 10.000 | 10.333 | -3.3 | 99 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 10.000 | 9.625 | 3.8 | 99 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 10.000 | 10.983 | -9.8 | 101 | 0.00 |
| 88 | t | Hexachlorobutadiene | 10.000 | 10.401 | -4.0 | 100 | 0.00 |
| 89 | t | Naphthalene | 10.000 | 11.057 | -10.6 | 103 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 10.000 | 11.132 | -11.3 | 100 | 0.00 |

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