# Evaluate Continuing Calibration Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102124\
Data File : VU061167.D
Acq On : 21 Oct 2024 12:23
Operator : MD/SY
Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 22 01:14:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 18 02:52:28 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | i | Fluorobenzene | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.551 | 0.550 | 0.2 | 92 | 0.00 |
| 3 | t | Chloromethane | 0.524 | 0.507 | 3.2 | 93 | 0.00 |
| 4 | Rt | Vinyl Chloride | 0.538 | 0.533 | 0.9 | 92 | 0.00 |
| 5 | T | Bromomethane | 0.338 | 0.338 | 0.0 | 92 | 0.00 |
| 6 | T | Chloroethane | 0.361 | 0.386 | -6.9 | 101 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.766 | 0.733 | 4.3 | 90 | 0.00 |
| 8 | | 1,1,2-Trichloro-1,2,2-trifl | 0.381 | 0.384 | -0.8 | 92 | 0.00 |
| 9 | Rt | 1,1-Dichloroethene | 0.397 | 0.404 | -1.8 | 93 | 0.00 |
| 10 | t | Iodomethane | 0.472 | 0.484 | -2.5 | 92 | 0.00 |
| 11 | t | Allyl Chloride | 0.511 | 0.498 | 2.5 | 89 | 0.00 |
| 12 | t | Acrylonitrile | 0.080 | 0.082 | -2.5 | 97 | 0.00 |
| 13 | T | Acetone | 0.104 | 0.113 | -8.7 | 95 | 0.00 |
| 14 | T | Carbon Disulfide | 1.367 | 1.330 | 2.7 | 90 | 0.00 |
| 15 | RT | Methylene Chloride | 0.513 | 0.459 | 10.5 | 90 | 0.00 |
| 16 | RT | trans-1,2-Dichloroethene | 0.465 | 0.455 | 2.2 | 90 | 0.00 |
| 17 | t | 1,1-Dichloroethane | 0.825 | 0.817 | 1.0 | 92 | 0.00 |
| 18 | T | 2-Butanone | 0.127 | 0.133 | -4.7 | 93 | 0.00 |
| 19 | | Cyclohexane | 0.739 | 0.722 | 2.3 | 90 | 0.00 |
| 20 | | Methylcyclohexane | 0.824 | 0.830 | -0.7 | 89 | 0.00 |
| 21 | T | 2,2-Dichloropropane | 0.761 | 0.731 | 3.9 | 89 | 0.00 |
| 22 | RT | cis-1,2-Dichloroethene | 0.507 | 0.512 | -1.0 | 93 | 0.00 |
| 23 | t | Diethyl Ether | 0.308 | 0.300 | 2.6 | 94 | 0.00 |
| 24 | t | tert-Butyl Alcohol | 0.032 | 0.034 | -6.3 | 111 | -0.02 |
| 25 | t | Methyl tert-Butyl Ether | 1.063 | 1.068 | -0.5 | 94 | 0.00 |
| 26 | t | Bromochloromethane | 0.212 | 0.215 | -1.4 | 95 | 0.00 |
| 27 | t | Chloroform | 0.865 | 0.861 | 0.5 | 92 | 0.00 |
| 28 | RT | 1,1,1-Trichloroethane | 0.763 | 0.763 | 0.0 | 91 | 0.00 |
| 29 | T | 1,1-Dichloropropene | 0.674 | 0.669 | 0.7 | 90 | 0.00 |
| 30 | RT | Carbon Tetrachloride | 0.662 | 0.674 | -1.8 | 91 | 0.00 |
| 31 | t | Isopropyl Ether | 1.177 | 1.171 | 0.5 | 91 | 0.00 |
| 32 | | Ethyl-t-butyl ether | 1.210 | 1.213 | -0.2 | 92 | 0.00 |
| 33 | | Tert-Amyl methyl ether | 1.089 | 1.101 | -1.1 | 92 | 0.00 |
| 34 | t | Propionitrile | 0.030 | 0.032 | -6.7 | 93 | 0.00 |
| 35 | RT | Benzene | 1.898 | 1.908 | -0.5 | 92 | 0.00 |
| 36 | RT | 1,2-Dichloroethane | 0.536 | 0.549 | -2.4 | 94 | 0.00 |
| 37 | RT | Trichloroethene | 0.507 | 0.499 | 1.6 | 90 | 0.00 |
| 38 | Rt | 1,2-Dichloropropane | 0.481 | 0.490 | -1.9 | 92 | 0.00 |
| 39 | t | Methacrylonitrile | 0.109 | 0.121 | -11.0 | 95 | 0.00 |
| 40 | t | Methyl acrylate | 0.222 | 0.221 | 0.5 | 94 | 0.00 |
| 41 | t | Tetrahydrofuran | 0.066 | 0.063 | 4.5 | 95 | 0.00 |
| 42 | t | 1-Chlorobutane | 0.865 | 0.859 | 0.7 | 89 | 0.00 |
| 43 | T | Dibromomethane | 0.249 | 0.253 | -1.6 | 95 | 0.00 |
| 44 | T | Bromodichloromethane | 0.606 | 0.620 | -2.3 | 94 | 0.00 |
| 45 | T | 4-Methyl-2-Pentanone | 0.250 | 0.253 | -1.2 | 93 | 0.00 |
| 46 | t | t-1,4-Dichloro-2-butene | 0.100 | 0.094 | 6.0 | 79 | 0.00 |
| 47 | t | Methyl methacrylate | 0.217 | 0.229 | -5.5 | 94 | 0.00 |
| 48 | t | Ethyl methacrylate | 0.462 | 0.483 | -4.5 | 94 | 0.00 |
| 49 | Rt | Toluene | 1.199 | 1.226 | -2.3 | 92 | 0.00 |

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Sample : VSTDCCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 22 01:14:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101724DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Oct 18 02:52:28 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 50 | T | t-1,3-Dichloropropene | 0.584 | 0.616 | -5.5 | 94 | 0.00 |
| 51 | T | cis-1,3-Dichloropropene | 0.717 | 0.743 | -3.6 | 92 | 0.00 |
| 52 | RT | 1,1,2-Trichloroethane | 0.336 | 0.342 | -1.8 | 95 | 0.00 |
| 53 | t | 1,3-Dichloropropane | 0.591 | 0.599 | -1.4 | 93 | 0.00 |
| 54 | t | 2-Hexanone | 0.206 | 0.212 | -2.9 | 91 | 0.00 |
| 55 | t | Dibromochloromethane | 0.397 | 0.423 | -6.5 | 95 | 0.00 |
| 56 | T | 1,2-Dibromoethane | 0.323 | 0.329 | -1.9 | 93 | 0.00 |
| 57 | S | 4-Bromofluorobenzene | 0.531 | 0.535 | -0.8 | 95 | 0.00 |
| 58 | RT | Tetrachloroethene | 0.430 | 0.435 | -1.2 | 93 | 0.00 |
| 59 | Rt | Chlorobenzene | 1.292 | 1.323 | -2.4 | 93 | 0.00 |
| 60 | T | 1,1,1,2-Tetrachloroethane | 0.436 | 0.456 | -4.6 | 95 | 0.00 |
| 61 | t | Pentachloroethane | 0.333 | 0.360 | -8.1 | 94 | 0.00 |
| 62 | t | Hexachloroethane | 0.344 | 0.378 | -9.9 | 95 | 0.00 |
| 63 | Rt | Ethyl Benzene | 2.314 | 2.363 | -2.1 | 92 | 0.00 |
| 64 | RT | m/p-Xylenes | 0.881 | 0.908 | -3.1 | 91 | 0.00 |
| 65 | RT | o-Xylene | 0.867 | 0.886 | -2.2 | 91 | 0.00 |
| 66 | RT | Styrene | 1.349 | 1.424 | -5.6 | 92 | 0.00 |
| 67 | t | Bromoform | 0.208 | 0.227 | -9.1 | 95 | 0.00 |
| 68 | S | 1,2-Dichlorobenzene-d4 | 0.524 | 0.525 | -0.2 | 94 | 0.00 |
| 69 | T | Isopropylbenzene | 2.064 | 2.126 | -3.0 | 92 | 0.00 |
| 70 | T | 1,1,2,2-Tetrachloroethane | 0.408 | 0.426 | -4.4 | 96 | 0.00 |
| 71 | T | 1,2,3-Trichloropropane | 0.333 | 0.338 | -1.5 | 96 | 0.00 |
| 72 | t | Bromobenzene | 0.496 | 0.512 | -3.2 | 93 | 0.00 |
| 73 | t | n-propylbenzene | 0.602 | 0.641 | -6.5 | 93 | 0.00 |
| 74 | t | 2-Chlorotoluene | 0.521 | 0.544 | -4.4 | 93 | 0.00 |
| 75 | t | 1,3,5-Trimethylbenzene | 1.861 | 1.950 | -4.8 | 92 | 0.00 |
| 76 | t | 4-Chlorotoluene | 0.529 | 0.555 | -4.9 | 93 | 0.00 |
| 77 | t | tert-Butylbenzene | 1.839 | 1.921 | -4.5 | 92 | 0.00 |
| 78 | t | 1,2,4-Trimethylbenzene | 1.878 | 1.957 | -4.2 | 91 | 0.00 |
| 79 | t | sec-Butylbenzene | 2.395 | 2.535 | -5.8 | 92 | 0.00 |
| 80 | | Nitrobenzene | 0.009 | 0.012 | -33.3# | 102 | 0.00 |
| 81 | t | p-Isopropyltoluene | 1.983 | 2.090 | -5.4 | 92 | 0.00 |
| 82 | t | 1,3-Dichlorobenzene | 0.952 | 0.995 | -4.5 | 92 | 0.00 |
| 83 | Rt | 1,4-Dichlorobenzene | 0.949 | 1.007 | -6.1 | 93 | 0.00 |
| 84 | t | n-Butylbenzene | 1.840 | 1.978 | -7.5 | 92 | 0.00 |
| 85 | Rt | 1,2-Dichlorobenzene | 0.890 | 0.941 | -5.7 | 95 | 0.00 |
| 86 | t | 1,2-Dibromo-3-Chloropropane | 0.061 | 0.069 | -13.1 | 95 | 0.00 |
| 87 | Rt | 1,2,4-Trichlorobenzene | 0.509 | 0.579 | -13.8 | 95 | 0.00 |
| 88 | t | Hexachlorobutadiene | 0.288 | 0.316 | -9.7 | 96 | 0.00 |
| 89 | t | Naphthalene | 0.898 | 1.012 | -12.7 | 96 | 0.00 |
| 90 | t | 1,2,3-Trichlorobenzene | 0.457 | 0.518 | -13.3 | 96 | 0.00 |

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