

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110725\  
 Data File : VU063678.D  
 Acq On : 07 Nov 2025 08:55  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/12/2025  
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 08 02:30:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U103125DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Nov 03 00:51:51 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.084  | 96   | 56326    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.608 | 95   | 30737    | 1.206  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 121.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.167 | 152  | 22267    | 0.975  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 97.000%  |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.374  | 85   | 220306   | 10.391 | ug/l     | 99       |
| 3) Chloromethane             | 1.509  | 50   | 196622   | 9.862  | ug/l     | 100      |
| 4) Vinyl Chloride            | 1.589  | 62   | 215870   | 10.648 | ug/l     | 99       |
| 5) Bromomethane              | 1.837  | 94   | 125847   | 10.269 | ug/l     | 98       |
| 6) Chloroethane              | 1.914  | 64   | 134381   | 10.797 | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.120  | 101  | 324368   | 11.000 | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.557  | 101  | 176543   | 11.257 | ug/l     | 99       |
| 9) 1,1-Dichloroethene        | 2.557  | 96   | 165673   | 10.909 | ug/l     | 99       |
| 10) Iodomethane              | 2.695  | 142  | 249227   | 11.049 | ug/l     | 99       |
| 11) Allyl Chloride           | 2.898  | 41   | 249055   | 10.502 | ug/l     | 99       |
| 12) Acrylonitrile            | 3.287  | 53   | 74730    | 19.892 | ug/l     | 98       |
| 13) Acetone                  | 2.602  | 43   | 390831   | 58.903 | ug/l     | 100      |
| 14) Carbon Disulfide         | 2.766  | 76   | 437359   | 10.221 | ug/l     | 98       |
| 15) Methylene Chloride       | 3.017  | 84   | 187312   | 9.596  | ug/l     | 97       |
| 16) trans-1,2-Dichloroethene | 3.322  | 96   | 181343   | 10.828 | ug/l     | 97       |
| 17) 1,1-Dichloroethane       | 3.833  | 63   | 358583   | 10.810 | ug/l     | 100      |
| 18) 2-Butanone               | 4.682  | 43   | 399899   | 56.816 | ug/l     | 99       |
| 19) Cyclohexane              | 5.348  | 56   | 273583   | 10.793 | ug/l     | 97       |
| 20) Methylcyclohexane        | 6.727  | 83   | 318121   | 10.081 | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.627  | 77   | 318377   | 10.697 | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.631  | 96   | 208520   | 10.936 | ug/l     | 99       |
| 23) Diethyl Ether            | 2.357  | 59   | 128136   | 10.297 | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.161  | 59   | 147413   | 68.727 | ug/l     | 97       |
| 25) Methyl tert-Butyl Ether  | 3.338  | 73   | 443600   | 9.968  | ug/l     | 99       |
| 26) Bromochloromethane       | 4.939  | 128  | 84092    | 10.455 | ug/l     | 99       |
| 27) Chloroform               | 5.055  | 83   | 370370   | 10.912 | ug/l     | 99       |
| 28) 1,1,1-Trichloroethane    | 5.280  | 97   | 323601   | 10.811 | ug/l     | 100      |
| 29) 1,1-Dichloropropene      | 5.489  | 75   | 278367   | 11.078 | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.486  | 117  | 259537   | 10.954 | ug/l     | 99       |
| 31) Isopropyl Ether          | 3.965  | 45   | 563804   | 10.728 | ug/l     | 98       |
| 32) Ethyl-t-butyl ether      | 4.480  | 59   | 506156   | 9.997  | ug/l     | 99       |
| 33) Tert-Amyl methyl ether   | 5.920  | 73   | 443726   | 10.065 | ug/l     | 99       |
| 34) Propionitrile            | 4.746  | 54   | 65529    | 47.644 | ug/l     | 98       |
| 35) Benzene                  | 5.740  | 78   | 769971   | 10.871 | ug/l     | 98       |
| 36) 1,2-Dichloroethane       | 5.766  | 62   | 240371   | 10.569 | ug/l     | 100      |
| 37) Trichloroethene          | 6.512  | 130  | 209344   | 10.370 | ug/l     | 96       |
| 38) 1,2-Dichloropropane      | 6.762  | 63   | 200655   | 10.123 | ug/l     | 100      |
| 39) Methacrylonitrile        | 4.949  | 41   | 59310    | 8.663  | ug/l     | 98       |
| 40) Methyl acrylate          | 4.820  | 55   | 87314    | 8.782  | ug/l     | 98       |
| 41) Tetrahydrofuran          | 5.036  | 42   | 59924    | 19.453 | ug/l     | 98       |
| 42) 1-Chlorobutane           | 5.425  | 56   | 379109   | 11.258 | ug/l     | 98       |
| 43) Dibromomethane           | 6.891  | 93   | 99664    | 9.720  | ug/l     | 100      |
| 44) Bromodichloromethane     | 7.078  | 83   | 250354   | 9.985  | ug/l     | 99       |

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 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/12/2025  
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 08 02:30:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U103125DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Mon Nov 03 00:51:51 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.775  | 43   | 572377   | 46.291 | ug/l  | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.804 | 75   | 86453m   | 20.157 | ug/l  |          |
| 47) Methyl methacrylate       | 6.942  | 69   | 177116   | 18.773 | ug/l  | 99       |
| 48) Ethyl methacrylate        | 8.315  | 69   | 180780   | 9.422  | ug/l  | 98       |
| 49) Toluene                   | 7.942  | 92   | 500236   | 10.472 | ug/l  | 98       |
| 50) t-1,3-Dichloropropene     | 8.187  | 75   | 197055   | 9.042  | ug/l  | 99       |
| 51) cis-1,3-Dichloropropene   | 7.579  | 75   | 268430   | 9.849  | ug/l  | 99       |
| 52) 1,1,2-Trichloroethane     | 8.377  | 97   | 142783   | 10.243 | ug/l  | 99       |
| 53) 1,3-Dichloropropane       | 8.550  | 76   | 244099   | 9.803  | ug/l  | 98       |
| 54) 2-Hexanone                | 8.669  | 43   | 582784   | 55.827 | ug/l  | 99       |
| 55) Dibromochloromethane      | 8.785  | 129  | 159076   | 9.691  | ug/l  | 100      |
| 56) 1,2-Dibromoethane         | 8.901  | 107  | 126991   | 9.573  | ug/l  | 99       |
| 58) Tetrachloroethene         | 8.524  | 164  | 220906   | 11.187 | ug/l  | 99       |
| 59) Chlorobenzene             | 9.421  | 112  | 546864   | 10.557 | ug/l  | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.508  | 131  | 180411   | 9.948  | ug/l  | 99       |
| 61) Pentachloroethane         | 11.402 | 117  | 116583   | 9.267  | ug/l  | 98       |
| 62) Hexachloroethane          | 12.450 | 117  | 135563   | 9.830  | ug/l  | 99       |
| 63) Ethyl Benzene             | 9.547  | 91   | 975335   | 10.395 | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.669  | 106  | 733576   | 20.943 | ug/l  | 99       |
| 65) o-Xylene                  | 10.074 | 106  | 358661   | 10.450 | ug/l  | 99       |
| 66) Styrene                   | 10.090 | 104  | 580435   | 10.424 | ug/l  | 99       |
| 67) Bromoform                 | 10.264 | 173  | 78869    | 8.900  | ug/l  | 99       |
| 69) Isopropylbenzene          | 10.460 | 105  | 885777   | 10.450 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.759 | 83   | 164922   | 9.419  | ug/l  | 99       |
| 71) 1,2,3-Trichloropropane    | 10.798 | 75   | 133503m  | 8.764  | ug/l  |          |
| 72) Bromobenzene              | 10.759 | 156  | 212591   | 10.370 | ug/l  | 99       |
| 73) n-propylbenzene           | 10.881 | 120  | 256469   | 10.648 | ug/l  | 97       |
| 74) 2-Chlorotoluene           | 10.962 | 126  | 221722   | 10.621 | ug/l  | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.065 | 105  | 815119   | 10.400 | ug/l  | 100      |
| 76) 4-Chlorotoluene           | 11.074 | 126  | 225202   | 10.744 | ug/l  | 98       |
| 77) tert-Butylbenzene         | 11.396 | 119  | 773465   | 10.072 | ug/l  | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.444 | 105  | 803491   | 10.681 | ug/l  | 99       |
| 79) sec-Butylbenzene          | 11.618 | 105  | 1049111  | 10.385 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.187 | 77   | 13085    | 21.250 | ug/l  | 99       |
| 81) p-Isopropyltoluene        | 11.769 | 119  | 862278   | 10.425 | ug/l  | 100      |
| 82) 1,3-Dichlorobenzene       | 11.720 | 146  | 423068   | 10.656 | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.810 | 146  | 414357   | 10.503 | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.183 | 91   | 782241   | 10.552 | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene       | 12.187 | 146  | 390134   | 10.390 | ug/l  | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.968 | 75   | 25508    | 8.792  | ug/l  | 99       |
| 87) 1,2,4-Trichlorobenzene    | 13.814 | 180  | 235806   | 10.193 | ug/l  | 99       |
| 88) Hexachlorobutadiene       | 13.994 | 225  | 152177   | 11.050 | ug/l  | 99       |
| 89) Naphthalene               | 14.061 | 128  | 368157   | 8.272  | ug/l  | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.302 | 180  | 206776   | 9.777  | ug/l  | 98       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

