

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072125\  
 Data File : VU063548.D  
 Acq On : 21 Jul 2025 12:52  
 Operator : MD/SY  
 Sample : VU0721WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0721WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025  
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:07:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units   | Dev(Min) |
|------------------------------|--------|------|----------|--------|---------|----------|
| -----                        |        |      |          |        |         |          |
| Internal Standards           |        |      |          |        |         |          |
| 1) Fluorobenzene             | 6.097  | 96   | 21614    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 7333     | 0.896  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 90.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 6945     | 0.918  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 92.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 11745    | 1.843  | ug/l    | 99       |
| 3) Chloromethane             | 1.518  | 50   | 12479    | 2.106  | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.599  | 62   | 14878    | 1.972  | ug/l    | 98       |
| 5) Bromomethane              | 1.846  | 94   | 13474    | 2.368  | ug/l    | 94       |
| 6) Chloroethane              | 1.924  | 64   | 9465     | 2.078  | ug/l    | 99       |
| 7) Trichlorofluoromethane    | 2.129  | 101  | 22918    | 2.116  | ug/l    | 99       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.567  | 101  | 11895    | 2.101  | ug/l    | 99       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 11583    | 2.064  | ug/l    | 93       |
| 10) Iodomethane              | 2.711  | 142  | 4736     | 1.429  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.911  | 41   | 17339    | 2.139  | ug/l    | 99       |
| 12) Acrylonitrile            | 3.306  | 53   | 6376     | 4.543  | ug/l    | 92       |
| 13) Acetone                  | 2.618  | 43   | 21245    | 18.893 | ug/l    | 96       |
| 14) Carbon Disulfide         | 2.779  | 76   | 29497    | 1.627  | ug/l    | 98       |
| 15) Methylene Chloride       | 3.030  | 84   | 15718    | 2.379  | ug/l    | 97       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 13218    | 2.074  | ug/l    | 94       |
| 17) 1,1-Dichloroethane       | 3.850  | 63   | 25621    | 2.169  | ug/l    | 98       |
| 18) 2-Butanone               | 4.714  | 43   | 24761    | 14.219 | ug/l    | 99       |
| 19) Cyclohexane              | 5.361  | 56   | 20771    | 2.077  | ug/l    | 98       |
| 20) Methylcyclohexane        | 6.740  | 83   | 17192    | 1.769  | ug/l    | 96       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 19858    | 1.974  | ug/l    | 99       |
| 22) cis-1,2-Dichloroethene   | 4.653  | 96   | 14469    | 2.092  | ug/l    | 99       |
| 23) Diethyl Ether            | 2.370  | 59   | 9303     | 2.176  | ug/l    | 96       |
| 24) tert-Butyl Alcohol       | 3.187  | 59   | 12426    | 24.073 | ug/l    | 96       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 30980    | 2.115  | ug/l    | 98       |
| 26) Bromochloromethane       | 4.952  | 128  | 6035     | 2.090  | ug/l    | 93       |
| 27) Chloroform               | 5.071  | 83   | 26326    | 2.184  | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane    | 5.293  | 97   | 21163    | 2.069  | ug/l    | 99       |
| 29) 1,1-Dichloropropene      | 5.502  | 75   | 19948    | 2.105  | ug/l    | 98       |
| 30) Carbon Tetrachloride     | 5.499  | 117  | 16166    | 1.963  | ug/l    | 96       |
| 31) Isopropyl Ether          | 3.991  | 45   | 40011    | 2.244  | ug/l    | 97       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 35288    | 2.139  | ug/l    | 99       |
| 33) Tert-Amyl methyl ether   | 5.939  | 73   | 32331    | 2.258  | ug/l    | 98       |
| 34) Propionitrile            | 4.772  | 54   | 5895     | 11.111 | ug/l #  | 93       |
| 35) Benzene                  | 5.753  | 78   | 57221    | 2.247  | ug/l    | 99       |
| 36) 1,2-Dichloroethane       | 5.779  | 62   | 17765    | 2.245  | ug/l    | 98       |
| 37) Trichloroethene          | 6.528  | 130  | 10861    | 1.672  | ug/l    | 87       |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 11746    | 1.971  | ug/l    | 100      |
| 39) Methacrylonitrile        | 4.972  | 41   | 4863     | 2.062  | ug/l    | 95       |
| 40) Methyl acrylate          | 4.849  | 55   | 6471     | 1.877  | ug/l #  | 90       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 4760     | 3.837  | ug/l    | 99       |
| 42) 1-Chlorobutane           | 5.438  | 56   | 26832    | 2.130  | ug/l    | 98       |
| 43) Dibromomethane           | 6.907  | 93   | 6093     | 1.974  | ug/l    | 92       |
| 44) Bromodichloromethane     | 7.097  | 83   | 11744    | 1.687  | ug/l    | 94       |

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 Sample : VU0721WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0721WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/22/2025  
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:07:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U071625DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jul 17 03:49:40 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.798  | 43   | 33063    | 10.391 | ug/l   | 98       |
| 46) t-1,4-Dichloro-2-butene   | 10.820 | 75   | 4594m    | 3.846  | ug/l   |          |
| 47) Methyl methacrylate       | 6.965  | 69   | 9840     | 3.795  | ug/l   | 93       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 9677     | 1.956  | ug/l   | 91       |
| 49) Toluene                   | 7.959  | 92   | 26044    | 1.873  | ug/l   | 97       |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 8511     | 1.558  | ug/l   | 96       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 11891    | 1.622  | ug/l   | 94       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 8606     | 2.071  | ug/l   | 91       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 14839    | 2.068  | ug/l   | 100      |
| 54) 2-Hexanone                | 8.689  | 43   | 25898    | 12.254 | ug/l   | 100      |
| 55) Dibromochloromethane      | 8.801  | 129  | 6806     | 1.550  | ug/l   | 90       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 7149     | 1.922  | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.544  | 164  | 10387    | 1.747  | ug/l   | 96       |
| 59) Chlorobenzene             | 9.438  | 112  | 29293    | 1.835  | ug/l   | 96       |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 8865     | 1.726  | ug/l   | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 6284     | 1.732  | ug/l   | 94       |
| 62) Hexachloroethane          | 12.467 | 117  | 5757     | 1.602  | ug/l   | 92       |
| 63) Ethyl Benzene             | 9.560  | 91   | 51665    | 1.880  | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 41297    | 3.867  | ug/l   | 98       |
| 65) o-Xylene                  | 10.094 | 106  | 19835    | 1.933  | ug/l   | 99       |
| 66) Styrene                   | 10.107 | 104  | 31113    | 1.902  | ug/l   | 98       |
| 67) Bromoform                 | 10.283 | 173  | 3341     | 1.481  | ug/l # | 91       |
| 69) Isopropylbenzene          | 10.476 | 105  | 48185    | 1.942  | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 10643    | 2.104  | ug/l   | 96       |
| 71) 1,2,3-Trichloropropane    | 10.814 | 75   | 8326m    | 2.027  | ug/l   |          |
| 72) Bromobenzene              | 10.775 | 156  | 11845    | 1.850  | ug/l   | 91       |
| 73) n-propylbenzene           | 10.897 | 120  | 14553    | 1.949  | ug/l   | 94       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 12846    | 1.946  | ug/l   | 97       |
| 75) 1,3,5-Trimethylbenzene    | 11.078 | 105  | 45405    | 1.916  | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 13024    | 1.943  | ug/l   | 94       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 42523    | 1.877  | ug/l   | 95       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 45437    | 1.932  | ug/l   | 98       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 61563    | 2.015  | ug/l   | 97       |
| 80) Nitrobenzene              | 13.225 | 77   | 751m     | 9.623  | ug/l   |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 49802    | 1.953  | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 24722    | 1.930  | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 25206    | 1.966  | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.200 | 91   | 48474    | 2.050  | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 23543    | 1.956  | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 1243     | 1.896  | ug/l # | 91       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 14786    | 1.976  | ug/l   | 97       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 8015     | 1.886  | ug/l   | 96       |
| 89) Naphthalene               | 14.084 | 128  | 27297    | 2.035  | ug/l   | 97       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 13673    | 1.977  | ug/l   | 98       |

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

