

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU071825\  
 Data File : VU063534.D  
 Acq On : 18 Jul 2025 11:20  
 Operator : MD/SY  
 Sample : VU0718WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0718WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 07/21/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:48:13 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             | 6.100  | 96   | 24442    | 1.000  | ug/l    | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |         |          |
| 57) 4-Bromofluorobenzene     | 10.628 | 95   | 8154     | 0.881  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 88.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.187 | 152  | 7730     | 0.903  | ug/l    | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 90.000% |          |
| Target Compounds             |        |      |          |        |         |          |
|                              |        |      |          |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 11979    | 1.662  | ug/l    | 100      |
| 3) Chloromethane             | 1.519  | 50   | 12572    | 1.877  | ug/l    | 98       |
| 4) Vinyl Chloride            | 1.599  | 62   | 15284    | 1.791  | ug/l    | 98       |
| 5) Bromomethane              | 1.847  | 94   | 13274    | 2.063  | ug/l    | 97       |
| 6) Chloroethane              | 1.924  | 64   | 9649     | 1.873  | ug/l    | 97       |
| 7) Trichlorofluoromethane    | 2.130  | 101  | 23190    | 1.893  | ug/l    | 96       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 12218    | 1.908  | ug/l    | 98       |
| 9) 1,1-Dichloroethene        | 2.570  | 96   | 11628    | 1.832  | ug/l    | 94       |
| 10) Iodomethane              | 2.712  | 142  | 8330     | 1.714  | ug/l    | 99       |
| 11) Allyl Chloride           | 2.908  | 41   | 16089    | 1.755  | ug/l    | 97       |
| 12) Acrylonitrile            | 3.303  | 53   | 5693     | 3.587  | ug/l    | 99       |
| 13) Acetone                  | 2.618  | 43   | 13372    | 10.516 | ug/l    | 95       |
| 14) Carbon Disulfide         | 2.779  | 76   | 30515    | 1.489  | ug/l    | 100      |
| 15) Methylene Chloride       | 3.030  | 84   | 14710    | 1.969  | ug/l    | 93       |
| 16) trans-1,2-Dichloroethene | 3.335  | 96   | 13014    | 1.806  | ug/l    | 99       |
| 17) 1,1-Dichloroethane       | 3.850  | 63   | 25204    | 1.887  | ug/l    | 97       |
| 18) 2-Butanone               | 4.711  | 43   | 20212    | 10.264 | ug/l    | 99       |
| 19) Cyclohexane              | 5.361  | 56   | 20287    | 1.794  | ug/l    | 96       |
| 20) Methylcyclohexane        | 6.740  | 83   | 17522    | 1.594  | ug/l    | 97       |
| 21) 2,2-Dichloropropane      | 4.644  | 77   | 19833    | 1.744  | ug/l    | 100      |
| 22) cis-1,2-Dichloroethene   | 4.650  | 96   | 14206    | 1.817  | ug/l    | 96       |
| 23) Diethyl Ether            | 2.371  | 59   | 9481     | 1.961  | ug/l    | 96       |
| 24) tert-Butyl Alcohol       | 3.187  | 59   | 10300    | 17.646 | ug/l    | 96       |
| 25) Methyl tert-Butyl Ether  | 3.361  | 73   | 30642    | 1.850  | ug/l    | 96       |
| 26) Bromochloromethane       | 4.956  | 128  | 6297     | 1.929  | ug/l    | 98       |
| 27) Chloroform               | 5.072  | 83   | 26021    | 1.909  | ug/l    | 100      |
| 28) 1,1,1-Trichloroethane    | 5.297  | 97   | 21394    | 1.849  | ug/l    | 98       |
| 29) 1,1-Dichloropropene      | 5.506  | 75   | 20189    | 1.884  | ug/l    | 95       |
| 30) Carbon Tetrachloride     | 5.502  | 117  | 15728    | 1.689  | ug/l    | 99       |
| 31) Isopropyl Ether          | 3.991  | 45   | 38787    | 1.924  | ug/l    | 97       |
| 32) Ethyl-t-butyl ether      | 4.502  | 59   | 35055    | 1.879  | ug/l    | 97       |
| 33) Tert-Amyl methyl ether   | 5.943  | 73   | 31876    | 1.968  | ug/l    | 99       |
| 34) Propionitrile            | 4.776  | 54   | 5662     | 9.437  | ug/l #  | 93       |
| 35) Benzene                  | 5.756  | 78   | 56262    | 1.954  | ug/l    | 100      |
| 36) 1,2-Dichloroethane       | 5.782  | 62   | 18076    | 2.020  | ug/l    | 100      |
| 37) Trichloroethene          | 6.528  | 130  | 11864    | 1.615  | ug/l    | 98       |
| 38) 1,2-Dichloropropane      | 6.779  | 63   | 11688    | 1.734  | ug/l    | 97       |
| 39) Methacrylonitrile        | 4.975  | 41   | 4952     | 1.857  | ug/l    | 92       |
| 40) Methyl acrylate          | 4.846  | 55   | 6394     | 1.640  | ug/l #  | 94       |
| 41) Tetrahydrofuran          | 5.062  | 42   | 5497     | 3.918  | ug/l    | 90       |
| 42) 1-Chlorobutane           | 5.441  | 56   | 26586    | 1.866  | ug/l    | 100      |
| 43) Dibromomethane           | 6.907  | 93   | 6048     | 1.732  | ug/l    | 91       |
| 44) Bromodichloromethane     | 7.094  | 83   | 12446    | 1.581  | ug/l    | 97       |

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 Sample : VU0718WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0718WBS01

Manual Integrations  
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Reviewed By :Mahesh Dadoda 07/21/2025  
 Supervised By :Semsettin Yesilyurt 07/21/2025

Quant Time: Jul 18 23:48:13 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   | 32537    | 9.043 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.817 | 75   | 5336m    | 3.951 | ug/l   |          |
| 47) Methyl methacrylate       | 6.965  | 69   | 9296     | 3.171 | ug/l   | 91       |
| 48) Ethyl methacrylate        | 8.335  | 69   | 9403     | 1.681 | ug/l   | 95       |
| 49) Toluene                   | 7.959  | 92   | 27302    | 1.737 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 8481     | 1.373 | ug/l   | 95       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 12095    | 1.459 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 8213     | 1.747 | ug/l   | 92       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 14854    | 1.831 | ug/l   | 97       |
| 54) 2-Hexanone                | 8.692  | 43   | 20873    | 8.734 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.801  | 129  | 7162     | 1.442 | ug/l   | 98       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 6985     | 1.661 | ug/l   | 99       |
| 58) Tetrachloroethene         | 8.541  | 164  | 11357    | 1.689 | ug/l   | 99       |
| 59) Chlorobenzene             | 9.438  | 112  | 31134    | 1.724 | ug/l   | 95       |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 8861     | 1.526 | ug/l   | 97       |
| 61) Pentachloroethane         | 11.415 | 117  | 6463     | 1.575 | ug/l   | 85       |
| 62) Hexachloroethane          | 12.464 | 117  | 5921     | 1.457 | ug/l   | 92       |
| 63) Ethyl Benzene             | 9.560  | 91   | 53820    | 1.732 | ug/l   | 99       |
| 64) m/p-Xylenes               | 9.685  | 106  | 41388    | 3.427 | ug/l   | 98       |
| 65) o-Xylene                  | 10.094 | 106  | 19730    | 1.700 | ug/l   | 98       |
| 66) Styrene                   | 10.110 | 104  | 30587    | 1.654 | ug/l   | 96       |
| 67) Bromoform                 | 10.284 | 173  | 3345     | 1.311 | ug/l # | 97       |
| 69) Isopropylbenzene          | 10.476 | 105  | 49475    | 1.763 | ug/l   | 98       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 10218    | 1.787 | ug/l   | 98       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 8755m    | 1.885 | ug/l   |          |
| 72) Bromobenzene              | 10.775 | 156  | 12239    | 1.690 | ug/l   | 82       |
| 73) n-propylbenzene           | 10.898 | 120  | 14714    | 1.742 | ug/l   | 92       |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 12980    | 1.739 | ug/l   | 100      |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 45046    | 1.681 | ug/l   | 98       |
| 76) 4-Chlorotoluene           | 11.091 | 126  | 13297    | 1.754 | ug/l   | 97       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 44292    | 1.729 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 45185    | 1.699 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.634 | 105  | 61211    | 1.772 | ug/l   | 97       |
| 80) Nitrobenzene              | 13.222 | 77   | 684      | 8.083 | ug/l # | 77       |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 48004    | 1.665 | ug/l   | 96       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 24722    | 1.706 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.830 | 146  | 25216    | 1.739 | ug/l   | 98       |
| 84) n-Butylbenzene            | 12.203 | 91   | 45924    | 1.717 | ug/l   | 100      |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 23820    | 1.750 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 1181     | 1.629 | ug/l   | 94       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 13170    | 1.556 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 7904     | 1.644 | ug/l   | 99       |
| 89) Naphthalene               | 14.084 | 128  | 23387    | 1.542 | ug/l   | 98       |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 12228    | 1.563 | ug/l   | 99       |

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

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 Acq On : 18 Jul 2025 11:20  
 Operator : MD/SY  
 Sample : VU0718WBS01  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
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### Manual Integrations APPROVED

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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
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