Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110725\
Data File : VU063679.D
Acq On : 07 Nov 2025 10:42
Operator : MD/SY
Sample : VU1107WBL01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU1107WBL01

Quant Time: Nov 08 02:39:10 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 | 6.081 | 96 | 53185 | 1.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.614 | 95 | 22208 | 0.923 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 92.000% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.171 | 152 | 18858 | 0.874 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 87.000% | | | |
| Target Compounds | | | | | | Qvalue |
| 3) Chloromethane | 1.509 | 50 | 437 | 0.023 | ug/l | 89 |
| 4) Vinyl Chloride | 1.583 | 62 | 111 | 0.006 | ug/l # | 43 |
| 5) Bromomethane | 1.840 | 94 | 400 | 0.035 | ug/l # | 67 |
| 6) Chloroethane | 1.917 | 64 | 91 | 0.008 | ug/l # | 43 |
| 9) 1,1-Dichloroethene | 2.554 | 96 | 150 | 0.010 | ug/l | 55 |
| 10) Iodomethane | 2.705 | 142 | 82 | 0.004 | ug/l # | 29 |
| 11) Allyl Chloride | 2.907 | 41 | 123 | 0.005 | ug/l | 97 |
| 12) Acrylonitrile | 3.296 | 53 | 198 | 0.056 | ug/l # | 79 |
| 13) Acetone | 2.608 | 43 | 1161 | 0.185 | ug/l | 99 |
| 14) Carbon Disulfide | 2.763 | 76 | 819 | 0.020 | ug/l # | 74 |
| 15) Methylene Chloride | 3.017 | 84 | 2006 | 0.109 | ug/l | 88 |
| 16) trans-1,2-Dichloroethene | 3.335 | 96 | 414 | 0.026 | ug/l # | 49 |
| 17) 1,1-Dichloroethane | 3.843 | 63 | 89 | 0.003 | ug/l # | 82 |
| 18) 2-Butanone | 4.656 | 43 | 116 | 0.017 | ug/l | 86 |
| 19) Cyclohexane | 5.341 | 56 | 155 | 0.006 | ug/l # | 61 |
| 21) 2,2-Dichloropropane | 4.663 | 77 | 84 | 0.003 | ug/l | 92 |
| 22) cis-1,2-Dichloroethene | 4.634 | 96 | 205 | 0.011 | ug/l | 56 |
| 25) Methyl tert-Butyl Ether | 3.338 | 73 | 196 | 0.005 | ug/l # | 1 |
| 26) Bromochloromethane | 4.846 | 128 | 79 | 0.010 | ug/l # | 1 |
| 27) Chloroform | 5.062 | 83 | 399 | 0.012 | ug/l | 84 |
| 28) 1,1,1-Trichloroethane | 5.280 | 97 | 206 | 0.007 | ug/l # | 38 |
| 29) 1,1-Dichloropropene | 5.480 | 75 | 137 | 0.006 | ug/l # | 58 |
| 30) Carbon Tetrachloride | 5.496 | 117 | 67 | 0.003 | ug/l # | 13 |
| 31) Isopropyl Ether | 3.978 | 45 | 130 | 0.003 | ug/l | 85 |
| 33) Tert-Amyl methyl ether | 5.943 | 73 | 51 | 0.001 | ug/l # | 5 |
| 34) Propionitrile | 4.763 | 54 | 228 | 0.176 | ug/l # | 1 |
| 35) Benzene | 5.573 | 78 | 77 | 0.001 | ug/l | 98 |
| 36) 1,2-Dichloroethane | 5.775 | 62 | 126 | 0.006 | ug/l # | 30 |
| 37) Trichloroethene | 6.502 | 130 | 179 | 0.009 | ug/l | 89 |
| 39) Methacrylonitrile | 4.946 | 41 | 119 | 0.018 | ug/l # | 41 |
| 40) Methyl acrylate | 4.843 | 55 | 19 | 0.002 | ug/l # | 1 |
| 41) Tetrahydrofuran | 5.033 | 42 | 187 | 0.064 | ug/l # | 61 |
| 42) 1-Chlorobutane | 5.287 | 56 | 89 | 0.003 | ug/l | 70 |
| 45) 4-Methyl-2-Pentanone | 7.791 | 43 | 1306 | 0.112 | ug/l # | 69 |
| 47) Methyl methacrylate | 6.959 | 69 | 197 | 0.022 | ug/l # | 46 |
| 48) Ethyl methacrylate | 8.309 | 69 | 42 | 0.002 | ug/l # | 1 |
| 49) Toluene | 7.946 | 92 | 449 | 0.010 | ug/l # | 73 |
| 50) t-1,3-Dichloropropene | 8.196 | 75 | 106 | 0.005 | ug/l # | 70 |
| 51) cis-1,3-Dichloropropene | 7.589 | 75 | 71 | 0.003 | ug/l # | 1 |
| 53) 1,3-Dichloropropane | 8.553 | 76 | 144 | 0.006 | ug/l # | 42 |
| 54) 2-Hexanone | 8.704 | 43 | 1701 | 0.173 | ug/l # | 62 |
| 58) Tetrachloroethene | 8.528 | 164 | 137 | 0.007 | ug/l # | 58 |
| 59) Chlorobenzene | 9.428 | 112 | 736 | 0.015 | ug/l | 98 |

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU1107WBL01

Quant Time: Nov 08 02:39:10 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) |
|---|---|---|---|---|---|---|---|
| 63) Ethyl Benzene | 9.547 | 91 | 1130 | 0.013 | ug/l | | 95 |
| 64) m/p-Xylenes | 9.669 | 106 | 913 | 0.028 | ug/l | | 99 |
| 65) o-Xylene | 10.074 | 106 | 314 | 0.010 | ug/l | | 92 |
| 66) Styrene | 10.103 | 104 | 771 | 0.015 | ug/l | # | 82 |
| 69) Isopropylbenzene | 10.460 | 105 | 1195 | 0.015 | ug/l | | 87 |
| 72) Bromobenzene | 10.769 | 156 | 355 | 0.018 | ug/l | | 58 |
| 73) n-propylbenzene | 11.074 | 120 | 541 | 0.024 | ug/l | | 67 |
| 74) 2-Chlorotoluene | 10.968 | 126 | 233 | 0.012 | ug/l | | 1 |
| 75) 1,3,5-Trimethylbenzene | 11.071 | 105 | 1314 | 0.018 | ug/l | | 90 |
| 76) 4-Chlorotoluene | 11.081 | 126 | 446 | 0.023 | ug/l | | 60 |
| 77) tert-Butylbenzene | 11.392 | 119 | 1125 | 0.016 | ug/l | # | 89 |
| 78) 1,2,4-Trimethylbenzene | 11.447 | 105 | 1922 | 0.027 | ug/l | | 96 |
| 79) sec-Butylbenzene | 11.621 | 105 | 2085 | 0.022 | ug/l | | 98 |
| 81) p-Isopropyltoluene | 11.772 | 119 | 2373 | 0.030 | ug/l | | 99 |
| 82) 1,3-Dichlorobenzene | 11.730 | 146 | 1185 | 0.032 | ug/l | # | 84 |
| 83) 1,4-Dichlorobenzene | 11.820 | 146 | 1658 | 0.045 | ug/l | # | 77 |
| 84) n-Butylbenzene | 12.187 | 91 | 5821 | 0.083 | ug/l | | 96 |
| 85) 1,2-Dichlorobenzene | 12.193 | 146 | 839 | 0.024 | ug/l | # | 58 |
| 87) 1,2,4-Trichlorobenzene | 13.823 | 180 | 3016 | 0.138 | ug/l | | 99 |
| 88) Hexachlorobutadiene | 13.990 | 225 | 551 | 0.042 | ug/l | | 88 |
| 90) 1,2,3-Trichlorobenzene | 14.309 | 180 | 3573 | 0.179 | ug/l | | 96 |

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

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_U
**ClientSampleId :**
VU1107WBL01

Quant Time: Nov 08 02:39:10 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