

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_T\Data\VT102425\  
 Data File : VT019174.D  
 Acq On : 24 Oct 2025 10:34  
 Operator : SY/MD  
 Sample : VT1024WBSD01  
 Misc : 5.0mL/MSVOA\_T/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_T  
 ClientSampleId :  
 VT1024WBSD01

Quant Time: Oct 25 01:41:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_T\methods\624T102225W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Oct 24 06:05:07 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Bromochloromethane        | 7.048  | 128   | 24694    | 30.000   | ug/l       | #-0.03   |
| 28) 1,4-Difluorobenzene      | 8.553  | 114   | 157222   | 30.000   | ug/l       | -0.02    |
| 57) Chlorobenzene-d5         | 11.725 | 117   | 127672   | 30.000   | ug/l       | -0.03    |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 27) 1,2-Dichloroethane-d4    | 7.941  | 65    | 66244    | 30.619   | ug/l       | -0.03    |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | = 102.067% |          |
| 60) 4-Bromofluorobenzene     | 12.859 | 95    | 59651    | 29.728   | ug/l       | -0.03    |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | = 99.100%  |          |
| 63) Toluene-d8               | 10.227 | 98    | 188201   | 30.286   | ug/l       | -0.03    |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | = 100.967% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.872  | 85    | 14224    | 20.988   | ug/l       | 97       |
| 3) Chloromethane             | 2.101  | 50    | 29023m   | 18.657   | ug/l       |          |
| 4) Vinyl Chloride            | 2.189  | 62    | 33198    | 19.095   | ug/l       | 97       |
| 5) Bromomethane              | 2.542  | 94    | 25587    | 17.722   | ug/l       | 88       |
| 6) Chloroethane              | 2.683  | 64    | 28198    | 18.391   | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 2.977  | 101   | 54238    | 19.237   | ug/l       | 95       |
| 8) Diethyl Ether             | 3.347  | 74    | 30060    | 17.316   | ug/l       | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 3.670  | 101   | 23288    | 21.038   | ug/l       | 96       |
| 10) 1,1-Dichloroethene       | 3.646  | 96    | 22671    | 20.444   | ug/l       | 99       |
| 11) Methyl Iodide            | 3.852  | 142   | 22501    | 20.822   | ug/l #     | 11       |
| 12) Methyl Acetate           | 4.205  | 43    | 86090    | 19.632   | ug/l       | 98       |
| 13) Acrolein                 | 3.529  | 56    | 15449    | 104.461  | ug/l       | 99       |
| 14) Acrylonitrile            | 4.822  | 53    | 118434   | 87.625   | ug/l       | 99       |
| 15) Acetone                  | 3.723  | 58    | 37431    | 77.729   | ug/l       | 97       |
| 16) Carbon Disulfide         | 3.946  | 76    | 39075    | 18.867   | ug/l       | 99       |
| 17) Allyl chloride           | 4.199  | 41    | 43792    | 16.613   | ug/l       | 88       |
| 18) Methylene Chloride       | 4.410  | 84    | 29264    | 17.694   | ug/l       | 95       |
| 19) trans-1,2-Dichloroethene | 6.661  | 96    | 32721    | 19.179   | ug/l       | 90       |
| 20) Diisopropyl ether        | 5.779  | 45    | 124537   | 18.559   | ug/l #     | 65       |
| 21) 1,1-Dichloroethane       | 5.674  | 63    | 57917    | 18.472   | ug/l       | 99       |
| 22) cis-1,2-Dichloroethene   | 6.661  | 96    | 32721    | 19.179   | ug/l       | 96       |
| 23) tert-Butyl Alcohol       | 4.639  | 59    | 53289    | 89.992   | ug/l #     | 100      |
| 24) Methyl tert-Butyl Ether  | 4.886  | 73    | 121107   | 18.175   | ug/l       | 97       |
| 25) Chloroform               | 7.242  | 83    | 53563    | 18.675   | ug/l       | 96       |
| 26) Cyclohexane              | 7.536  | 56    | 36749    | 19.973   | ug/l #     | 98       |
| 29) 1,1-Dichloropropene      | 7.683  | 75    | 31870    | 19.372   | ug/l       | 96       |
| 30) 2-Butanone               | 6.672  | 43    | 165839   | 81.782   | ug/l       | 98       |
| 31) 2,2-Dichloropropane      | 6.661  | 77    | 47241    | 19.613   | ug/l       | 93       |
| 32) 1,1,1-Trichloroethane    | 7.448  | 97    | 41094    | 19.826   | ug/l #     | 78       |
| 33) Carbon Tetrachloride     | 7.671  | 117   | 27983    | 21.071   | ug/l #     | 95       |
| 34) Benzene                  | 7.953  | 78    | 111994   | 18.374   | ug/l #     | 76       |
| 35) Methacrylonitrile        | 7.019  | 41    | 29599    | 17.149   | ug/l       | 95       |
| 36) 1,2-Dichloroethane       | 8.047  | 62    | 41312    | 18.283   | ug/l       | 97       |
| 37) Trichloroethene          | 8.829  | 130   | 21049    | 18.772   | ug/l       | 97       |
| 38) Methylcyclohexane        | 9.099  | 83    | 34931    | 21.084   | ug/l       | 94       |
| 39) 1,2-Dichloropropane      | 9.140  | 63    | 28536    | 17.876   | ug/l       | 93       |
| 40) Dibromomethane           | 9.240  | 93    | 17441    | 17.719   | ug/l #     | 74       |
| 41) Bromodichloromethane     | 10.762 | 83    | 23285    | 18.417   | ug/l #     | 92       |
| 42) Vinyl Acetate            | 5.721  | 43    | 449066   | 90.260   | ug/l       | 99       |

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 ClientSampleId :  
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 QLast Update : Fri Oct 24 06:05:07 2025  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 6.772  | 43   | 58976    | 17.692  | ug/l   | 97       |
| 44) Isopropyl Acetate         | 8.094  | 43   | 93959    | 17.909  | ug/l   | 97       |
| 45) 1,4-Dioxane               | 9.234  | 88   | 15992    | 351.365 | ug/l # | 76       |
| 46) Methyl methacrylate       | 9.234  | 41   | 42366    | 18.060  | ug/l   | 78       |
| 47) n-amyl Acetate            | 12.472 | 43   | 64100    | 18.156  | ug/l   | 100      |
| 48) t-1,3-Dichloropropene     | 10.562 | 75   | 43481    | 18.954  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 9.951  | 75   | 44678    | 18.540  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane     | 10.762 | 97   | 26795    | 18.509  | ug/l # | 84       |
| 51) Ethyl methacrylate        | 10.615 | 69   | 48577    | 17.905  | ug/l   | 92       |
| 52) 1,3-Dichloropropane       | 10.926 | 76   | 47219    | 18.261  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.155 | 129  | 25238    | 18.689  | ug/l # | 1        |
| 54) 1,2-Dibromoethane         | 11.267 | 107  | 24270    | 18.024  | ug/l   | 96       |
| 55) 2-Chloroethyl vinyl ether | 9.786  | 63   | 65012    | 82.160  | ug/l   | 99       |
| 56) Bromoform                 | 12.554 | 173  | 17817    | 20.069  | ug/l # | 21       |
| 58) 4-Methyl-2-Pentanone      | 10.110 | 43   | 276514   | 88.439  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.110 | 43   | 276514   | 88.439  | ug/l # | 82       |
| 61) Tetrachloroethene         | 10.844 | 164  | 16632    | 20.610  | ug/l   | 95       |
| 62) Toluene                   | 10.303 | 91   | 110197   | 19.270  | ug/l   | 98       |
| 64) Chlorobenzene             | 11.755 | 112  | 66617    | 19.072  | ug/l   | 94       |
| 65) 1,1,1,2-Tetrachloroethane | 11.843 | 131  | 22951    | 20.172  | ug/l   | 93       |
| 66) Ethyl Benzene             | 11.843 | 91   | 121990   | 19.629  | ug/l   | 99       |
| 67) m/p-Xylenes               | 11.972 | 106  | 89455    | 38.720  | ug/l   | 98       |
| 68) o-Xylene                  | 12.342 | 106  | 45430    | 19.051  | ug/l   | 96       |
| 69) Styrene                   | 12.360 | 104  | 81397    | 19.012  | ug/l   | 96       |
| 70) Isopropylbenzene          | 12.683 | 105  | 117961   | 20.167  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.971 | 83   | 42910    | 18.697  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 13.030 | 75   | 32908m   | 19.425  | ug/l   |          |
| 73) Bromobenzene              | 13.006 | 156  | 26672    | 19.391  | ug/l   | 65       |
| 74) n-propylbenzene           | 13.071 | 91   | 144227   | 20.449  | ug/l   | 98       |
| 75) 2-Chlorotoluene           | 13.282 | 91   | 85036    | 19.694  | ug/l   | 97       |
| 76) 1,3,5-Trimethylbenzene    | 13.235 | 105  | 97161    | 20.247  | ug/l   | 96       |
| 77) t-1,4-Dichloro-2-butene   | 12.742 | 75   | 15846    | 19.251  | ug/l   | 84       |
| 78) 4-Chlorotoluene           | 13.171 | 91   | 84887    | 19.930  | ug/l   | 93       |
| 79) tert-butylbenzene         | 13.529 | 119  | 85017    | 19.948  | ug/l   | 93       |
| 80) 1,2,4-Trimethylbenzene    | 13.582 | 105  | 97405    | 19.455  | ug/l   | 98       |
| 81) sec-Butylbenzene          | 13.735 | 105  | 129363   | 21.065  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.864 | 119  | 107723   | 21.085  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.864 | 146  | 53999    | 20.018  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.958 | 146  | 53718    | 19.779  | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.234 | 91   | 99874    | 21.360  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.546 | 117  | 15889    | 23.207  | ug/l # | 1        |
| 87) 1,2-Dichlorobenzene       | 14.287 | 146  | 53161    | 19.727  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.986 | 75   | 9351     | 18.545  | ug/l   | 95       |
| 89) 1,2,4-Trichlorobenzene    | 15.780 | 180  | 33636    | 20.503  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.891 | 225  | 13209    | 24.284  | ug/l   | 84       |
| 91) Naphthalene               | 16.067 | 128  | 130171   | 20.529  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 16.297 | 180  | 34590    | 20.889  | ug/l   | 98       |

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

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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_T  
ClientSampleId :  
VT1024WBSD01

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