

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061225\  
 Data File : VU063395.D  
 Acq On : 12 Jun 2025 12:43  
 Operator : MD/SY  
 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050108

Quant Time: Jun 16 08:41:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061125WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jun 16 08:39:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon           | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|---------|----------------|----------|---------|----------|----------|
| Internal Standards            |         |                |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 6.239   | 114            | 133651   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.409   | 117            | 142455   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804  | 152            | 79441    | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |         |                |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.592   | 65             | 42181    | 41.807  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =       | 83.620%  |          |
| 7) Chloroethane-d5            | 1.901   | 69             | 44168    | 44.985  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =       | 89.980%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.554   | 63             | 79476    | 41.457  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 82.920%  |          |
| 21) 2-Butanone-d5             | 4.615   | 46             | 94473    | 107.906 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =       | 107.910% |          |
| 24) Chloroform-d              | 5.049   | 84             | 105447   | 49.166  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 98.340%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.692   | 65             | 67898    | 51.694  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 103.380% |          |
| 32) Benzene-d6                | 5.718   | 84             | 202477   | 46.994  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =       | 93.980%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.679   | 67             | 71559    | 48.969  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =       | 97.940%  |          |
| 41) Toluene-d8                | 7.891   | 98             | 183465   | 48.529  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 97.060%  |          |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79             | 29211    | 49.674  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =       | 99.340%  |          |
| 47) 2-Hexanone-d5             | 8.624   | 63             | 57902    | 106.722 | ug/L     | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =       | 106.720% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746  | 84             | 115950   | 51.952  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =       | 103.900% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152            | 71655    | 49.298  | ug/L     | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =       | 98.600%  |          |
| Target Compounds              |         |                |          |         |          |          |
|                               |         |                |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85             | 51383    | 40.015  | ug/L     | 99       |
| 3) Chloromethane              | 1.522   | 50             | 67412    | 46.474  | ug/L     | 100      |
| 5) Vinyl chloride             | 1.596   | 62             | 69400    | 43.498  | ug/L     | 97       |
| 6) Bromomethane               | 1.843   | 94             | 43372    | 48.310  | ug/L     | 99       |
| 8) Chloroethane               | 1.920   | 64             | 46404    | 46.491  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 2.126   | 101            | 78582    | 41.838  | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.567   | 101            | 45398    | 40.555  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.567   | 96             | 42500    | 42.664  | ug/L     | 93       |
| 13) Acetone                   | 2.618   | 43             | 69366    | 104.551 | ug/L     | 98       |
| 14) Carbon disulfide          | 2.779   | 76             | 138961   | 42.245  | ug/L     | 100      |
| 15) Methyl Acetate            | 2.940   | 43             | 76316    | 55.445  | ug/L #   | 100      |
| 16) Methylene chloride        | 3.030   | 84             | 65692    | 50.839  | ug/L     | 98       |
| 17) trans-1,2-Dichloroethene  | 3.342   | 96             | 48787    | 45.563  | ug/L     | 99       |
| 18) Methyl tert-butyl Ether   | 3.354   | 73             | 167419   | 52.124  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.856   | 63             | 109005   | 48.630  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 4.653   | 96             | 60939    | 50.066  | ug/L     | 99       |
| 22) 2-Butanone                | 4.692   | 43             | 107442   | 109.487 | ug/L     | 93       |
| 23) Bromochloromethane        | 4.962   | 128            | 33879    | 52.085  | ug/L     | 97       |
| 25) Chloroform                | 5.075   | 83             | 110920   | 49.613  | ug/L     | 99       |

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 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050108

Quant Time: Jun 16 08:41:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM061125WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Jun 16 08:39:07 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 90218    | 51.432  | ug/L   | 100      |
| 29) Cyclohexane               | 5.377  | 56   | 73802    | 39.036  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 5.303  | 97   | 78196    | 43.471  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 61662    | 40.771  | ug/L   | 98       |
| 33) Benzene                   | 5.763  | 78   | 242908   | 49.060  | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 57990    | 45.570  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.753  | 83   | 74709    | 39.687  | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 72669    | 49.484  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 85632    | 49.446  | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 100545   | 50.508  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 197588   | 108.479 | ug/L   | 99       |
| 42) Toluene                   | 7.962  | 91   | 253094   | 48.931  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 91546    | 49.137  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.390  | 97   | 69039    | 51.361  | ug/L   | 99       |
| 46) Tetrachloroethene         | 8.544  | 164  | 40516    | 43.078  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.676  | 43   | 161361   | 113.591 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 64881    | 50.872  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 71263    | 51.891  | ug/L   | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 163134   | 48.647  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 252268   | 46.582  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 98819    | 49.319  | ug/L   | 95       |
| 54) o-Xylene                  | 10.094 | 106  | 94559    | 49.503  | ug/L   | 94       |
| 55) Styrene                   | 10.107 | 104  | 174142   | 53.087  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 121955   | 50.772  | ug/L   | 98       |
| 59) Bromoform                 | 10.283 | 173  | 50174    | 47.613  | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 95754    | 50.122  | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.476 | 105  | 234210   | 44.639  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 184658   | 45.541  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 181033   | 46.997  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 123852   | 47.566  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 130361   | 48.703  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 124072   | 47.191  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 24476    | 47.645  | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.213 | 180  | 82333    | 46.694  | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 66141    | 48.312  | ug/L   | 99       |
| 71) Naphthalene               | 14.081 | 128  | 185976   | 50.375  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 69365    | 51.188  | ug/L   | 97       |

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

