

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU010825\  
 Data File : VU062664.D  
 Acq On : 08 Jan 2025 10:21  
 Operator : MD/SY  
 Sample : VSTD01016  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010016

Quant Time: Jan 08 23:05:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010825WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 08 23:04:08 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/09/2025  
 Supervised By :Mahesh Dadoda 01/09/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.235  | 114  | 143527   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.405  | 117  | 137152   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.801 | 152  | 69382    | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.595  | 65   | 9235     | 9.377  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.904  | 69   | 7473     | 10.313 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 63   | 18928    | 9.993  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.628  | 46   | 8568     | 13.776 | ug/L   | 0.02     |
| 24) Chloroform-d              | 5.052  | 84   | 21569    | 10.250 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65   | 14690    | 10.841 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.718  | 84   | 36020    | 9.257  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.679  | 67   | 10339    | 8.538  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.888  | 98   | 34266    | 9.449  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 5767     | 9.248  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.627  | 63   | 5867     | 13.430 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84   | 15340    | 8.738  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.183 | 152  | 13061    | 9.529  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.380  | 85   | 14566    | 10.608 | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50   | 9958     | 9.142  | ug/L   | 92       |
| 5) Vinyl chloride             | 1.602  | 62   | 10675    | 9.356  | ug/L   | 97       |
| 6) Bromomethane               | 1.846  | 94   | 7903     | 11.794 | ug/L   | 93       |
| 8) Chloroethane               | 1.927  | 64   | 6624     | 10.078 | ug/L   | 89       |
| 9) Trichlorofluoromethane     | 2.132  | 101  | 22056    | 12.027 | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101  | 10067    | 10.182 | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.573  | 96   | 9045     | 10.062 | ug/L   | 84       |
| 13) Acetone                   | 2.618  | 43   | 8093     | 11.130 | ug/L   | 97       |
| 14) Carbon disulfide          | 2.785  | 76   | 27291    | 10.069 | ug/L   | 97       |
| 15) Methyl Acetate            | 2.939  | 43   | 6926     | 7.386  | ug/L   | 94       |
| 16) Methylene chloride        | 3.036  | 84   | 10184    | 9.975  | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.345  | 96   | 9401     | 10.146 | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 3.351  | 73   | 32711    | 10.399 | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 3.856  | 63   | 16944    | 9.618  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.656  | 96   | 10471    | 9.934  | ug/L   | 90       |
| 22) 2-Butanone                | 4.701  | 43   | 10438m   | 13.122 | ug/L   |          |
| 23) Bromochloromethane        | 4.965  | 128  | 6151     | 11.001 | ug/L   | 95       |
| 25) Chloroform                | 5.078  | 83   | 21067    | 10.825 | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 5.782  | 62   | 17951    | 11.414 | ug/L   | 97       |
| 29) Cyclohexane               | 5.373  | 56   | 13165    | 8.715  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.303  | 97   | 20111    | 11.070 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 18764    | 11.550 | ug/L   | 97       |
| 33) Benzene                   | 5.766  | 78   | 38398    | 9.596  | ug/L   | 100      |
| 34) Trichloroethene           | 6.531  | 95   | 11930    | 10.689 | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.753  | 83   | 15412    | 9.289  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 9271     | 8.872  | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.094  | 83   | 16101    | 10.904 | ug/L # | 97       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 15861    | 9.171  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.779  | 43   | 19333    | 15.206 | ug/L   | 97       |
| 42) Toluene                   | 7.959  | 91   | 41978    | 9.727  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 15808    | 9.760  | ug/L   | 98       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 8.389  | 97   | 10900    | 10.316 | ug/L   | 95       |
| 46) Tetrachloroethene         | 8.544  | 164  | 9028     | 10.564 | ug/L   | 91       |
| 48) 2-Hexanone                | 8.676  | 43   | 15036m   | 14.311 | ug/L   |          |
| 49) Dibromochloromethane      | 8.798  | 129  | 12677    | 11.156 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 8.914  | 107  | 12047    | 10.454 | ug/L   | 91       |
| 51) Chlorobenzene             | 9.438  | 112  | 27298    | 9.907  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.560  | 91   | 47507    | 9.959  | ug/L   | 96       |
| 53) m,p-Xylene                | 9.685  | 106  | 17447    | 9.889  | ug/L   | 92       |
| 54) o-Xylene                  | 10.090 | 106  | 16657    | 9.620  | ug/L   | 95       |
| 55) Styrene                   | 10.106 | 104  | 27994    | 9.606  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 15127    | 8.791  | ug/L   | 96       |
| 59) Bromoform                 | 10.280 | 173  | 9459     | 10.665 | ug/L # | 96       |
| 60) 1,2,3-Trichloropropane    | 10.811 | 75   | 12955    | 9.416  | ug/L   | 96       |
| 61) Isopropylbenzene          | 10.473 | 105  | 45984    | 9.918  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 39120    | 9.831  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 37475    | 9.813  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.737 | 146  | 21432    | 9.925  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 21915    | 9.980  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 21495    | 10.135 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 3560     | 8.990  | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 14253    | 9.406  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 9617     | 7.575  | ug/L   | 97       |
| 71) Naphthalene               | 14.087 | 128  | 22951m   | 6.858  | ug/L   |          |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 9126     | 7.566  | ug/L   | 95       |

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

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