

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU031725\  
 Data File : VU063289.D  
 Acq On : 17 Mar 2025 10:56  
 Operator : MD/SY  
 Sample : VSTD01028  
 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010028

Quant Time: Mar 21 08:36:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031725WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 21 08:30:41 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 6.238  | 114  | 265177   | 50.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.409  | 117  | 260057   | 50.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152  | 116286   | 50.00 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65   | 22827    | 11.33 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.898  | 69   | 19974    | 17.45 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 63   | 40179    | 11.41 | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.624  | 46   | 31965m   | 24.39 | ug/L   | 0.02     |
| 24) Chloroform-d              | 5.052  | 84   | 43137    | 11.76 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65   | 27155    | 12.79 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.717  | 84   | 82234    | 10.74 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67   | 26850    | 10.83 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.891  | 98   | 69334    | 9.85  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79   | 10695    | 9.25  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.627  | 63   | 17243    | 16.34 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84   | 40017    | 10.82 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152  | 23751    | 10.66 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.380  | 85   | 22754    | 11.02 | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50   | 26661    | 12.24 | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62   | 26090    | 10.55 | ug/L   | 99       |
| 6) Bromomethane               | 1.840  | 94   | 14742    | 17.39 | ug/L   | 100      |
| 8) Chloroethane               | 1.920  | 64   | 16393    | 16.41 | ug/L   | 92       |
| 9) Trichlorofluoromethane     | 2.126  | 101  | 29485    | 10.89 | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.570  | 101  | 18340    | 9.82  | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.570  | 96   | 17182    | 9.36  | ug/L   | 96       |
| 13) Acetone                   | 2.618  | 43   | 22559    | 26.40 | ug/L   | 98       |
| 14) Carbon disulfide          | 2.782  | 76   | 56385    | 9.94  | ug/L   | 99       |
| 15) Methyl Acetate            | 2.939  | 43   | 24092    | 11.97 | ug/L # | 100      |
| 16) Methylene chloride        | 3.033  | 84   | 22058    | 10.37 | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 3.345  | 96   | 18734    | 9.97  | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 3.351  | 73   | 57251    | 9.84  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.856  | 63   | 38964    | 11.11 | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.656  | 96   | 20483    | 9.62  | ug/L   | 98       |
| 22) 2-Butanone                | 4.701  | 43   | 31879    | 23.66 | ug/L   | 90       |
| 23) Bromochloromethane        | 4.962  | 128  | 10952    | 10.10 | ug/L   | 97       |
| 25) Chloroform                | 5.074  | 83   | 38725    | 10.88 | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 29406    | 11.12 | ug/L # | 94       |
| 29) Cyclohexane               | 5.373  | 56   | 28320    | 8.68  | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 5.303  | 97   | 30877    | 9.92  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.512  | 117  | 25540    | 9.57  | ug/L   | 99       |
| 33) Benzene                   | 5.762  | 78   | 82576    | 10.03 | ug/L   | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 20840    | 9.39  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.753  | 83   | 26357    | 7.84  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 23189    | 10.16 | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.097  | 83   | 28594    | 10.50 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 7.598  | 75   | 32467    | 9.55  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 56194    | 20.09 | ug/L   | 97       |
| 42) Toluene                   | 7.962  | 91   | 81773    | 9.24  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 29493    | 9.35  | ug/L   | 99       |

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 Misc : 5mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD010028

Quant Time: Mar 21 08:36:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM031725WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 21 08:30:41 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 22481    | 10.22 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.544  | 164  | 14711    | 9.32  | ug/L  | 94       |
| 48) 2-Hexanone                | 8.676  | 43   | 40996    | 19.04 | ug/L  | 96       |
| 49) Dibromochloromethane      | 8.801  | 129  | 21751    | 9.83  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.913  | 107  | 23223    | 9.87  | ug/L  | 99       |
| 51) Chlorobenzene             | 9.438  | 112  | 54223    | 9.84  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 82851    | 8.69  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.685  | 106  | 29556    | 8.33  | ug/L  | 98       |
| 54) o-Xylene                  | 10.090 | 106  | 29422    | 8.26  | ug/L  | 90       |
| 55) Styrene                   | 10.106 | 104  | 45182    | 7.45  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 37858    | 9.83  | ug/L  | 97       |
| 59) Bromoform                 | 10.283 | 173  | 16697    | 10.76 | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 29285    | 11.73 | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.476 | 105  | 74407    | 9.39  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.077 | 105  | 55690    | 8.63  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 50395    | 7.90  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 36851    | 9.73  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.827 | 146  | 37357    | 9.51  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 37819    | 10.10 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 7490     | 11.09 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 23812    | 9.32  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 17720    | 8.11  | ug/L  | 97       |
| 71) Naphthalene               | 14.084 | 128  | 40591    | 6.14  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 16547    | 7.82  | ug/L  | 97       |
| -----                         |        |      |          |       |       |          |

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

