

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101023\  
 Data File : VU055713.D  
 Acq On : 10 Oct 2023 11:13  
 Operator : MD/SY  
 Sample : VSTD10038  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD100038

Quant Time: Oct 11 05:00:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 11 04:58:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114  | 408820   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117  | 422464   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 243279   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65   | 376597   | 116.549 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.908  | 69   | 305197   | 98.095  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.567  | 63   | 670188   | 137.177 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.608  | 46   | 574886   | 265.702 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.059  | 84   | 708142   | 132.880 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65   | 444226   | 137.325 | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.724  | 84   | 1417331  | 131.604 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67   | 438527   | 122.048 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 1310095  | 128.834 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79   | 222119   | 122.818 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.628  | 63   | 388062   | 240.383 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84   | 673663   | 107.361 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152  | 507476   | 119.183 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.383  | 85   | 334417   | 107.725 | ug/L  | 100      |
| 3) Chloromethane              | 1.518  | 50   | 312196   | 91.193  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.602  | 62   | 350036   | 81.159  | ug/L  | 98       |
| 6) Bromomethane               | 1.850  | 94   | 226008   | 84.725  | ug/L  | 99       |
| 8) Chloroethane               | 1.930  | 64   | 226942   | 76.707  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.136  | 101  | 495222   | 73.061  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.580  | 101  | 324413   | 117.640 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.580  | 96   | 291185   | 113.356 | ug/L  | 96       |
| 13) Acetone                   | 2.615  | 43   | 510277   | 273.746 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.792  | 76   | 871364   | 114.595 | ug/L  | 98       |
| 15) Methyl Acetate            | 2.940  | 43   | 388184   | 128.311 | ug/L  | 98       |
| 16) Methylene chloride        | 3.039  | 84   | 335662   | 107.939 | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.351  | 96   | 304374   | 114.339 | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 3.358  | 73   | 989094   | 108.891 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.862  | 63   | 599390   | 116.249 | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.663  | 96   | 350805   | 111.289 | ug/L  | 98       |
| 22) 2-Butanone                | 4.689  | 43   | 635080   | 255.309 | ug/L  | 99       |
| 23) Bromochloromethane        | 4.969  | 128  | 177184   | 109.859 | ug/L  | 99       |
| 25) Chloroform                | 5.084  | 83   | 623141   | 115.367 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 508405   | 121.864 | ug/L  | 98       |
| 29) Cyclohexane               | 5.386  | 56   | 527303   | 112.482 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.313  | 97   | 542032   | 113.270 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.522  | 117  | 477297   | 115.417 | ug/L  | 98       |
| 33) Benzene                   | 5.769  | 78   | 1356264  | 110.590 | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 362448   | 115.086 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.759  | 83   | 583031   | 115.561 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 368557   | 108.911 | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.100  | 83   | 483011   | 111.541 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 598405   | 108.850 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.785  | 43   | 1082201  | 212.610 | ug/L  | 98       |
| 42) Toluene                   | 7.965  | 91   | 1478932  | 108.735 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 570386   | 109.960 | ug/L  | 99       |

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Quant Time: Oct 11 05:00:48 2023  
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 Quant Title : VOC Analysis  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 356190   | 104.354 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.550  | 164  | 263550   | 110.631 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.679  | 43   | 938487   | 220.316 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.804  | 129  | 377109   | 107.358 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 391339   | 106.956 | ug/L  | 99       |
| 51) Chlorobenzene             | 9.444  | 112  | 918717   | 104.813 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.566  | 91   | 1659831  | 107.076 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.692  | 106  | 627804   | 106.286 | ug/L  | 98       |
| 54) o-Xylene                  | 10.097 | 106  | 602252   | 101.095 | ug/L  | 97       |
| 55) Styrene                   | 10.110 | 104  | 1061717  | 102.466 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 626563   | 95.644  | ug/L  | 100      |
| 59) Bromoform                 | 10.287 | 173  | 298374   | 99.475  | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.817 | 75   | 511296   | 106.817 | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.483 | 105  | 1650137  | 104.256 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 1411786  | 108.464 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 1411374  | 109.192 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 771655   | 104.355 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 784099   | 105.013 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 757626   | 102.423 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 170769   | 128.119 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 549772   | 111.438 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 481381   | 114.166 | ug/L  | 98       |
| 71) Naphthalene               | 14.084 | 128  | 1563783  | 114.310 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 481426   | 116.289 | ug/L  | 98       |

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

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