

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090222\  
 Data File : VU050597.D  
 Acq On : 02 Sep 2022 14:06  
 Operator : SY/MD  
 Sample : VSTD00519  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005019

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/03/2022  
 Supervised By : Mahesh Dadoda 09/05/2022

Quant Time: Sep 03 01:57:50 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM090222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 03 01:56:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114  | 299152   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117  | 287107   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152  | 115563   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65   | 10789    | 4.632  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.909  | 69   | 7494     | 4.216  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 63   | 20566    | 5.160  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.642  | 46   | 15767m   | 7.991  | ug/L   | 0.02     |
| 24) Chloroform-d              | 5.063  | 84   | 23003    | 5.081  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65   | 14418    | 4.954  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.729  | 84   | 44073    | 4.897  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67   | 14258    | 4.749  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.899  | 98   | 36349    | 4.657  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79   | 5349     | 4.414  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.639  | 63   | 5672     | 5.569  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.754 | 84   | 21622    | 4.650  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152  | 12741    | 5.050  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85   | 14729    | 6.977  | ug/L   | 98       |
| 3) Chloromethane              | 1.520  | 50   | 14179    | 4.542  | ug/L   | 95       |
| 5) Vinyl chloride             | 1.604  | 62   | 12792    | 4.452  | ug/L   | 99       |
| 6) Bromomethane               | 1.851  | 94   | 7748     | 5.835  | ug/L   | 81       |
| 8) Chloroethane               | 1.932  | 64   | 7622     | 4.307  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.137  | 101  | 17995    | 5.325  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101  | 11329    | 5.490  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96   | 10740    | 5.127  | ug/L   | 94       |
| 13) Acetone                   | 2.636  | 43   | 14109    | 9.122  | ug/L   | 98       |
| 14) Carbon disulfide          | 2.793  | 76   | 32811    | 6.111  | ug/L   | 96       |
| 15) Methyl Acetate            | 2.954  | 43   | 13919    | 4.406  | ug/L   | 97       |
| 16) Methylene chloride        | 3.044  | 84   | 15377    | 4.637  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.353  | 96   | 11399    | 5.023  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.366  | 73   | 32864    | 4.361  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.870  | 63   | 21857    | 4.785  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.665  | 96   | 12611    | 4.748  | ug/L   | 92       |
| 22) 2-Butanone                | 4.716  | 43   | 19344    | 8.117  | ug/L   | 100      |
| 23) Bromochloromethane        | 4.973  | 128  | 7208     | 5.117  | ug/L # | 84       |
| 25) Chloroform                | 5.089  | 83   | 24031    | 5.103  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 18009    | 4.880  | ug/L   | 96       |
| 29) Cyclohexane               | 5.385  | 56   | 16839    | 4.982  | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 20083    | 5.650  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 15944    | 5.773  | ug/L   | 100      |
| 33) Benzene                   | 5.774  | 78   | 51692    | 4.948  | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 11965    | 4.944  | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.761  | 83   | 17145    | 5.035  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 13273    | 4.657  | ug/L # | 97       |
| 38) Bromodichloromethane      | 7.105  | 83   | 16452    | 5.061  | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 16737    | 4.428  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 32973    | 8.099  | ug/L   | 98       |
| 42) Toluene                   | 7.970  | 91   | 48955    | 4.713  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 16212    | 4.715  | ug/L   | 100      |

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 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 03 01:56:20 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 13498    | 4.923 | ug/L  | 95       |
| 46) Tetrachloroethene         | 8.552  | 164  | 9229     | 5.409 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.690  | 43   | 32245    | 9.167 | ug/L  | 88       |
| 49) Dibromochloromethane      | 8.809  | 129  | 12088    | 4.982 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 13468    | 4.747 | ug/L  | 99       |
| 51) Chlorobenzene             | 9.446  | 112  | 33070    | 5.106 | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 46724    | 4.595 | ug/L  | 97       |
| 53) m,p-Xylene                | 9.693  | 106  | 17310    | 4.537 | ug/L  | 88       |
| 54) o-Xylene                  | 10.102 | 106  | 17143    | 4.439 | ug/L  | 96       |
| 55) Styrene                   | 10.115 | 104  | 25990    | 4.059 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 23043    | 4.721 | ug/L  | 99       |
| 59) Bromoform                 | 10.291 | 173  | 8852     | 5.694 | ug/L  | 93       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 18899    | 5.533 | ug/L  | 96       |
| 61) Isopropylbenzene          | 10.484 | 105  | 40623    | 4.883 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 31924    | 4.636 | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 29835    | 4.472 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 20293    | 5.157 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 20609    | 5.151 | ug/L  | 90       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 20607    | 4.859 | ug/L  | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 4750     | 5.741 | ug/L  | 86       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 13577    | 4.952 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 11966    | 4.950 | ug/L  | 95       |
| 71) Naphthalene               | 14.089 | 128  | 46963    | 4.834 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 13214    | 4.778 | ug/L  | 97       |

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

