

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112122\  
 Data File : VU051995.D  
 Acq On : 21 Nov 2022 14:16  
 Operator : JC/MD  
 Sample : VSTD00555  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005055

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/22/2022  
 Supervised By :Mahesh Dadoda 11/23/2022

Quant Time: Nov 22 00:38:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 22 00:38:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114  | 472673   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117  | 454326   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152  | 195417   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65   | 20222    | 5.216  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.909  | 69   | 15462    | 4.866  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.568  | 63   | 30302    | 4.728  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.629  | 46   | 20714    | 7.888  | ug/L   | 0.01     |
| 24) Chloroform-d              | 5.063  | 84   | 31906    | 4.604  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65   | 20555    | 4.818  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.726  | 84   | 62552    | 4.947  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.690  | 67   | 20653    | 5.000  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.896  | 98   | 53148    | 4.653  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79   | 8187     | 4.699  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.632  | 63   | 11413    | 6.451  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84   | 32216    | 4.587  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152  | 21381    | 5.727  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385  | 85   | 13500    | 3.483  | ug/L   | 98       |
| 3) Chloromethane              | 1.526  | 50   | 19535    | 3.847  | ug/L   | 96       |
| 5) Vinyl chloride             | 1.604  | 62   | 19406    | 3.855  | ug/L # | 72       |
| 6) Bromomethane               | 1.848  | 94   | 9300     | 3.561  | ug/L   | 97       |
| 8) Chloroethane               | 1.928  | 64   | 12795    | 4.207  | ug/L   | 86       |
| 9) Trichlorofluoromethane     | 2.137  | 101  | 23291    | 3.998  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101  | 15154    | 4.207  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96   | 13716    | 4.019  | ug/L   | 90       |
| 13) Acetone                   | 2.623  | 43   | 24123    | 8.362  | ug/L   | 96       |
| 14) Carbon disulfide          | 2.793  | 76   | 34872    | 3.257  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.951  | 43   | 17778    | 4.018  | ug/L   | 94       |
| 16) Methylene chloride        | 3.044  | 84   | 24206    | 5.321  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.353  | 96   | 14410    | 4.088  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.359  | 73   | 42718    | 4.149  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.864  | 63   | 29465m   | 4.202  | ug/L   |          |
| 20) cis-1,2-Dichloroethene    | 4.668  | 96   | 15947    | 4.072  | ug/L   | 99       |
| 22) 2-Butanone                | 4.706  | 43   | 25199    | 7.415  | ug/L   | 96       |
| 23) Bromochloromethane        | 4.973  | 128  | 9049     | 4.140  | ug/L   | 98       |
| 25) Chloroform                | 5.089  | 83   | 30339    | 4.192  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 22813    | 4.102  | ug/L   | 97       |
| 29) Cyclohexane               | 5.388  | 56   | 17648    | 3.797  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.314  | 97   | 23341    | 4.384  | ug/L   | 100      |
| 31) Carbon tetrachloride      | 5.523  | 117  | 19000    | 4.251  | ug/L   | 100      |
| 33) Benzene                   | 5.774  | 78   | 64619    | 4.382  | ug/L   | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 15469    | 4.361  | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.761  | 83   | 19288    | 3.854  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 18266    | 4.502  | ug/L # | 95       |
| 38) Bromodichloromethane      | 7.105  | 83   | 22705    | 4.396  | ug/L   | 92       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 21408    | 3.982  | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 38615    | 7.204  | ug/L   | 96       |
| 42) Toluene                   | 7.970  | 91   | 61298    | 4.052  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 20731    | 4.002  | ug/L   | 96       |

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Quant Time: Nov 22 00:38:32 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112122WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 22 00:38:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 17820    | 4.399 | ug/L   | 95       |
| 46) Tetrachloroethene         | 8.552  | 164  | 11972    | 4.548 | ug/L   | 95       |
| 48) 2-Hexanone                | 8.684  | 43   | 32656    | 7.226 | ug/L   | 91       |
| 49) Dibromochloromethane      | 8.806  | 129  | 17233    | 4.149 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 16978    | 4.090 | ug/L   | 94       |
| 51) Chlorobenzene             | 9.446  | 112  | 42166    | 4.233 | ug/L   | 94       |
| 52) Ethylbenzene              | 9.568  | 91   | 58715    | 3.841 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 22061    | 3.756 | ug/L   | 97       |
| 54) o-Xylene                  | 10.098 | 106  | 21251    | 3.612 | ug/L   | 100      |
| 55) Styrene                   | 10.115 | 104  | 33222    | 3.285 | ug/L   | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 30932    | 4.024 | ug/L   | 100      |
| 59) Bromoform                 | 10.288 | 173  | 13030    | 4.762 | ug/L # | 94       |
| 60) 1,2,3-Trichloropropane    | 10.819 | 75   | 23964    | 4.754 | ug/L   | 99       |
| 61) Isopropylbenzene          | 10.481 | 105  | 52255    | 4.212 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 36790    | 3.538 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 34345    | 3.372 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 26959    | 4.304 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 29037    | 4.524 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 28515    | 4.355 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 5683     | 4.214 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 17582    | 4.204 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 12570    | 3.863 | ug/L   | 99       |
| 71) Naphthalene               | 14.085 | 128  | 34652    | 3.300 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 13836    | 3.981 | ug/L   | 97       |

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

