

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
 Data File : VU052997.D  
 Acq On : 08 Feb 2023 12:48  
 Operator : JC/MD  
 Sample : VSTD05075  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050075

Quant Time: Feb 09 00:35:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 09 00:33:30 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/09/2023  
 Supervised By : Mahesh Dadoda 02/09/2023

Supervised By : Mahesh  
 Dadoda  
 02/09/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 6.244  | 114  | 316065   | 50.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.411  | 117  | 297051   | 50.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152  | 171935   | 50.000  | ug/L   | 0.00     |
|                               |        |      |          |         |        |          |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.598  | 65   | 147471   | 61.174  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.913  | 69   | 117834   | 59.851  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.569  | 63   | 222984   | 49.373  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 4.627  | 46   | 115864   | 85.917  | ug/L   | 0.00     |
| 24) Chloroform-d              | 5.058  | 84   | 246855   | 50.710  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65   | 143908   | 47.100  | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.723  | 84   | 501514   | 54.331  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67   | 152891   | 55.995  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.894  | 98   | 494771   | 58.007  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.173  | 79   | 85470    | 60.953  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 8.627  | 63   | 93762    | 101.654 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84   | 213984   | 53.556  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.186 | 152  | 190410   | 55.389  | ug/L   | 0.00     |
|                               |        |      |          |         |        |          |
| Target Compounds              |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.386  | 85   | 122280   | 42.342  | ug/L   | 100      |
| 3) Chloromethane              | 1.518  | 50   | 110839   | 45.776  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.605  | 62   | 135716   | 49.716  | ug/L   | 97       |
| 6) Bromomethane               | 1.859  | 94   | 93652    | 53.432  | ug/L   | 99       |
| 8) Chloroethane               | 1.936  | 64   | 82653    | 48.356  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.138  | 101  | 211241   | 46.868  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101  | 105415   | 42.374  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.579  | 96   | 100620   | 43.809  | ug/L   | 89       |
| 13) Acetone                   | 2.643  | 43   | 95090    | 59.862  | ug/L   | 92       |
| 14) Carbon disulfide          | 2.794  | 76   | 300183   | 43.357  | ug/L   | 98       |
| 15) Methyl Acetate            | 2.952  | 43   | 69579    | 32.525  | ug/L # | 87       |
| 16) Methylene chloride        | 3.045  | 84   | 116228   | 42.788  | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.351  | 96   | 106835   | 43.272  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.357  | 73   | 336336   | 46.032  | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.865  | 63   | 185146   | 42.956  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.662  | 96   | 123499   | 46.401  | ug/L # | 96       |
| 22) 2-Butanone                | 4.707  | 43   | 116581   | 68.504  | ug/L   | 88       |
| 23) Bromochloromethane        | 4.971  | 128  | 64273    | 43.415  | ug/L   | 97       |
| 25) Chloroform                | 5.084  | 83   | 206677   | 42.649  | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 147770   | 39.298  | ug/L   | 98       |
| 29) Cyclohexane               | 5.383  | 56   | 167237   | 48.022  | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.312  | 97   | 188508   | 44.061  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 166042   | 44.742  | ug/L   | 98       |
| 33) Benzene                   | 5.768  | 78   | 453400   | 45.649  | ug/L   | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 120965   | 47.213  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.759  | 83   | 206567   | 50.657  | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 6.784  | 63   | 113107m  | 46.150  | ug/L   |          |
| 38) Bromodichloromethane      | 7.100  | 83   | 165655   | 45.848  | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 196695   | 50.363  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.784  | 43   | 217173   | 78.507  | ug/L   | 94       |
| 42) Toluene                   | 7.964  | 91   | 511994   | 49.634  | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 190766   | 49.859  | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020823\  
 Data File : VU052997.D  
 Acq On : 08 Feb 2023 12:48  
 Operator : JC/MD  
 Sample : VSTD05075  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050075

Quant Time: Feb 09 00:35:47 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM020823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 09 00:33:30 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John Carlone 02/09/2023  
 Supervised By :Mahesh Dadoda 02/09/2023

Supervised By :Mahesh  
 Dadoda  
 02/09/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 8.395  | 97   | 116315   | 46.302 | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.550  | 164  | 96916    | 44.646 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.678  | 43   | 173836   | 74.984 | ug/L  | 91       |
| 49) Dibromochloromethane      | 8.804  | 129  | 141827   | 46.944 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.919  | 107  | 129682   | 47.688 | ug/L  | 98       |
| 51) Chlorobenzene             | 9.444  | 112  | 327568   | 46.328 | ug/L  | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 559641   | 50.468 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 223324   | 50.025 | ug/L  | 96       |
| 54) o-xylene                  | 10.096 | 106  | 217820   | 51.065 | ug/L  | 95       |
| 55) Styrene                   | 10.109 | 104  | 371968   | 50.927 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 181644   | 45.011 | ug/L  | 100      |
| 59) Bromoform                 | 10.286 | 173  | 109451   | 46.717 | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.816 | 75   | 135402   | 41.711 | ug/L  | 98       |
| 61) Isopropylbenzene          | 10.479 | 105  | 572125   | 51.264 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.083 | 105  | 501253   | 53.502 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 491726   | 54.262 | ug/L  | 96       |
| 64) 1,3-Dichlorobenzene       | 11.739 | 146  | 262148   | 46.849 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 259163   | 44.965 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.205 | 146  | 257307   | 45.829 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.990 | 75   | 41075    | 43.706 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 204653   | 48.706 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 179452   | 50.224 | ug/L  | 98       |
| 71) Naphthalene               | 14.080 | 128  | 525772   | 51.480 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.324 | 180  | 178757   | 48.144 | ug/L  | 98       |

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

