

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046163.D  
 Acq On : 08 Dec 2021 10:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050128

Quant Time: Dec 09 03:18:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.253   | 114   | 223557   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 219583   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 119004   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.604   | 65    | 79697    | 43.277   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 86.560%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 60410    | 42.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.460%  |
| 11) 1,1-Dichloroethene-d2     | 2.575   | 63    | 144555   | 43.726   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.460%  |
| 21) 2-Butanone-d5             | 4.642   | 46    | 137737   | 94.086   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 94.090%  |
| 24) Chloroform-d              | 5.070   | 84    | 142685   | 46.397   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.707   | 65    | 93690    | 45.395   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.800%  |
| 32) Benzene-d6                | 5.732   | 84    | 301327   | 47.878   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.760%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 92037    | 47.186   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.380%  |
| 41) Toluene-d8                | 7.903   | 98    | 282942   | 49.376   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.760%  |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 48188    | 51.178   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 102.360% |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 98490    | 106.498  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.500% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 143679   | 48.573   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 97.140%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 112379   | 49.035   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.388   | 85    | 100605   | 41.363   | ug/L   | 99       |
| 3) Chloromethane              | 1.523   | 50    | 88322    | 40.599   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.607   | 62    | 95841    | 43.692   | ug/L   | 100      |
| 6) Bromomethane               | 1.864   | 94    | 57176    | 45.988   | ug/L   | 99       |
| 8) Chloroethane               | 1.941   | 64    | 55330    | 43.565   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.144   | 101   | 126413   | 44.141   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588   | 101   | 79572    | 48.917   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.588   | 96    | 73400    | 47.484   | ug/L   | 88       |
| 13) Acetone                   | 2.662   | 43    | 149202   | 81.549   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.800   | 76    | 203390   | 42.410   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.961   | 43    | 100817   | 47.269   | ug/L   | 98       |
| 16) Methylene chloride        | 3.051   | 84    | 86003    | 46.764   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.359   | 96    | 79664    | 48.699   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 265755   | 52.715   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.877   | 63    | 145912   | 49.058   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.671   | 96    | 89866    | 50.629   | ug/L   | 99       |
| 22) 2-Butanone                | 4.719   | 43    | 174865   | 87.797   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.980   | 128   | 46019    | 51.334   | ug/L   | 92       |
| 25) Chloroform                | 5.092   | 83    | 161544   | 48.884   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046163.D  
 Acq On : 08 Dec 2021 10:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050128

Quant Time: Dec 09 03:18:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 118344   | 48.259  | ug/L  | 100      |
| 29) Cyclohexane               | 5.395  | 56   | 126968   | 49.657  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.324  | 97   | 134785   | 50.006  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 114285   | 49.944  | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 332419   | 50.018  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 89142    | 50.914  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.768  | 83   | 134820   | 49.662  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 87984    | 50.538  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 116143   | 50.191  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 142718   | 53.886  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 263109   | 102.862 | ug/L  | 98       |
| 42) Toluene                   | 7.973  | 91   | 370564   | 51.963  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 134943   | 51.876  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 91040    | 52.123  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.555  | 164  | 67985    | 52.839  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 222289   | 97.172  | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.813  | 129  | 98092    | 53.481  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 99107    | 52.337  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.449  | 112  | 239651   | 51.944  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 408215   | 53.189  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.697  | 106  | 160750   | 53.708  | ug/L  | 97       |
| 54) o-xylene                  | 10.102 | 106  | 157090   | 54.090  | ug/L  | 95       |
| 55) Styrene                   | 10.115 | 104  | 269967   | 54.446  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 152164   | 50.815  | ug/L  | 99       |
| 59) Bromoform                 | 10.292 | 173  | 73781    | 52.850  | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 129124   | 49.498  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.488 | 105  | 415389   | 53.648  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 355338   | 55.059  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 355538   | 55.063  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 194815   | 52.968  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 198764   | 52.290  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 192126   | 51.872  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 34543    | 49.706  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 143575   | 53.575  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 130810   | 55.005  | ug/L  | 99       |
| 71) Naphthalene               | 14.086 | 128  | 480981   | 58.121  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 132908   | 54.806  | ug/L  | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU120821\  
 Data File : VU046163.D  
 Acq On : 08 Dec 2021 10:00  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050128

Quant Time: Dec 09 03:18:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM112921WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 03 05:08:36 2021  
 Response via : Initial Calibration

