

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051922\  
 Data File : VU048623.D  
 Acq On : 19 May 2022 09:42  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050134

Quant Time: May 20 04:32:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 19 06:01:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 232979   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 232928   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 141953   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 53831    | 37.724   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 75.440%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 43279    | 40.482   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.960%  |
| 11) 1,1-Dichloroethene-d2     | 2.571   | 63    | 142753   | 44.234   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.460%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 107208   | 78.948   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 78.950%  |
| 24) Chloroform-d              | 5.067   | 84    | 166201   | 46.091   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.180%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 114268   | 44.917   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 89.840%  |
| 32) Benzene-d6                | 5.729   | 84    | 282264   | 43.542   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.080%  |
| 36) 1,2-Dichloropropane-d6    | 6.694   | 67    | 80182    | 42.133   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 84.260%  |
| 41) Toluene-d8                | 7.899   | 98    | 271846   | 44.583   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.160%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 47954    | 39.405   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.820%  |
| 47) 2-Hexanone-d5             | 8.632   | 63    | 79706    | 76.370   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 76.370%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 135794   | 43.122   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 86.240%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 124381   | 42.862   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.720%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385   | 85    | 115316   | 46.058   | ug/L   | 97       |
| 3) Chloromethane              | 1.523   | 50    | 67227    | 43.518   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.607   | 62    | 73658    | 44.822   | ug/L   | 100      |
| 6) Bromomethane               | 1.854   | 94    | 54641    | 46.057   | ug/L   | 98       |
| 8) Chloroethane               | 1.935   | 64    | 45391    | 46.927   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.141   | 101   | 154843   | 48.266   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.584   | 101   | 79810    | 48.787   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.581   | 96    | 73943    | 48.780   | ug/L   | 93       |
| 13) Acetone                   | 2.623   | 43    | 79674    | 72.218   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.797   | 76    | 202905   | 46.126   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.948   | 43    | 80598    | 42.805   | ug/L   | 97       |
| 16) Methylene chloride        | 3.047   | 84    | 86020    | 48.744   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 3.356   | 96    | 79730    | 48.767   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 3.366   | 73    | 284767   | 50.203   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.874   | 63    | 145610   | 48.648   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 90904    | 49.304   | ug/L   | 96       |
| 22) 2-Butanone                | 4.700   | 43    | 112398   | 80.238   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.977   | 128   | 50724    | 49.579   | ug/L   | 92       |
| 25) Chloroform                | 5.092   | 83    | 175622   | 50.268   | ug/L   | 100      |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050134

Quant Time: May 20 04:32:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 19 06:01:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.796  | 62   | 148130   | 49.425 | ug/L   | 99       |
| 29) Cyclohexane               | 5.391  | 56   | 108820   | 45.485 | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 172608   | 48.941 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.526  | 117  | 157291   | 48.936 | ug/L   | 99       |
| 33) Benzene                   | 5.777  | 78   | 323757   | 47.576 | ug/L   | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 93246    | 48.431 | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 125130   | 45.290 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 80155    | 47.106 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.105  | 83   | 135115   | 49.078 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 130482   | 44.914 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 226102   | 87.073 | ug/L   | 97       |
| 42) Toluene                   | 7.970  | 91   | 369103   | 49.763 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 143126   | 46.715 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 88970    | 48.825 | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.555  | 164  | 78696    | 50.090 | ug/L   | 98       |
| 48) 2-Hexanone                | 8.684  | 43   | 173462   | 77.965 | ug/L   | 97       |
| 49) Dibromochloromethane      | 8.812  | 129  | 117720   | 50.249 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 102290   | 48.640 | ug/L # | 96       |
| 51) Chlorobenzene             | 9.449  | 112  | 251927   | 48.699 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.571  | 91   | 411419   | 48.537 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 163546   | 48.011 | ug/L   | 95       |
| 54) o-Xylene                  | 10.102 | 106  | 160862   | 49.293 | ug/L   | 99       |
| 55) Styrene                   | 10.115 | 104  | 284851   | 50.203 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 141863   | 45.046 | ug/L   | 98       |
| 59) Bromoform                 | 10.291 | 173  | 96402    | 49.404 | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.822 | 75   | 129605   | 46.036 | ug/L   | 98       |
| 61) Isopropylbenzene          | 10.484 | 105  | 431923   | 49.406 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 249473   | 50.195 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 391692   | 50.681 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 219178   | 48.616 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 222654   | 47.592 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 223401   | 48.718 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 48228    | 44.307 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 164994   | 45.916 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 149772   | 46.083 | ug/L   | 99       |
| 71) Naphthalene               | 14.085 | 128  | 449010   | 41.899 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 150610   | 46.156 | ug/L   | 98       |

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

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