

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060624\  
 Data File : VU059161.D  
 Acq On : 06 Jun 2024 11:51  
 Operator : MD/SY  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050176

Quant Time: Jun 07 04:57:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM052924WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 05 05:30:09 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242   | 114   | 206948   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412   | 117   | 200721   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 103781   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596   | 65    | 52422    | 42.307   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 84.620%  |
| 7) Chloroethane-d5            | 1.908   | 69    | 48388    | 45.588   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.180%  |
| 11) 1,1-Dichloroethene-d2     | 2.563   | 63    | 114411   | 46.779   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.560%  |
| 21) 2-Butanone-d5             | 4.612   | 46    | 106071   | 90.821   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 90.820%  |
| 24) Chloroform-d              | 5.055   | 84    | 123501   | 50.068   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.140% |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 71261    | 47.135   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.260%  |
| 32) Benzene-d6                | 5.721   | 84    | 223663   | 48.550   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.100%  |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 76216    | 47.982   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.960%  |
| 41) Toluene-d8                | 7.894   | 98    | 195145   | 49.899   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.800%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 32091    | 49.980   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 99.960%  |
| 47) 2-Hexanone-d5             | 8.624   | 63    | 71240    | 96.986   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 96.990%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750  | 84    | 131303   | 48.842   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 97.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187  | 152   | 74698    | 48.231   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.460%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 111334   | 53.096   | ug/L   | 99       |
| 3) Chloromethane              | 1.518   | 50    | 120395   | 49.680   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.602   | 62    | 129532   | 54.396   | ug/L   | 100      |
| 6) Bromomethane               | 1.853   | 94    | 75201    | 39.474   | ug/L   | 99       |
| 8) Chloroethane               | 1.930   | 64    | 76941    | 51.814   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 2.136   | 101   | 149567   | 53.975   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.576   | 101   | 92320    | 57.262   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.573   | 96    | 81961    | 56.050   | ug/L   | 94       |
| 13) Acetone                   | 2.615   | 43    | 165924   | 120.867  | ug/L   | 100      |
| 14) Carbon disulfide          | 2.789   | 76    | 267985   | 54.416   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.940   | 43    | 105357   | 48.451   | ug/L   | 99       |
| 16) Methylene chloride        | 3.036   | 84    | 110666   | 55.932   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.348   | 96    | 89025    | 56.406   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.351   | 73    | 268818   | 52.434   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859   | 63    | 177588   | 52.494   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.660   | 96    | 97979    | 54.478   | ug/L   | 96       |
| 22) 2-Butanone                | 4.689   | 43    | 176493   | 106.193  | ug/L   | 97       |
| 23) Bromochloromethane        | 4.968   | 128   | 49908    | 54.783   | ug/L   | 92       |
| 25) Chloroform                | 5.078   | 83    | 176033   | 53.738   | ug/L   | 98       |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050176

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 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 05 05:30:09 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 143207   | 51.750  | ug/L  | 99       |
| 29) Cyclohexane               | 5.383  | 56   | 145715   | 54.377  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 143923   | 55.148  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 121503   | 57.317  | ug/L  | 100      |
| 33) Benzene                   | 5.766  | 78   | 395704   | 54.596  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 102026   | 57.489  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.756  | 83   | 153246   | 58.729  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 111696   | 54.271  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 133863   | 55.838  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 154514   | 54.261  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 278558   | 103.239 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 422464   | 58.068  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 141717   | 54.972  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 102031   | 55.138  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.550  | 164  | 71153    | 60.191  | ug/L  | 90       |
| 48) 2-Hexanone                | 8.676  | 43   | 236221   | 103.805 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.804  | 129  | 97299    | 58.182  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 106135   | 55.603  | ug/L  | 95       |
| 51) Chlorobenzene             | 9.441  | 112  | 248321   | 56.552  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.566  | 91   | 437280   | 58.301  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.689  | 106  | 164733   | 59.760  | ug/L  | 100      |
| 54) o-Xylene                  | 10.097 | 106  | 159604   | 59.743  | ug/L  | 96       |
| 55) Styrene                   | 10.110 | 104  | 282725   | 62.260  | ug/L  | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 171385   | 50.842  | ug/L  | 99       |
| 59) Bromoform                 | 10.283 | 173  | 78652    | 57.801  | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.814 | 75   | 139439   | 48.315  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.480 | 105  | 422842   | 57.913  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 303937   | 57.454  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 333521   | 58.159  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 190508   | 55.827  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 196834   | 55.851  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 190829   | 53.504  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 36110    | 49.354  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 127218   | 56.449  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 104243   | 57.913  | ug/L  | 98       |
| 71) Naphthalene               | 14.084 | 128  | 284210   | 49.883  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 107726   | 58.867  | ug/L  | 99       |

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

