

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101723\  
 Data File : VU055790.D  
 Acq On : 17 Oct 2023 13:47  
 Operator : MD/SY  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050118

Quant Time: Oct 18 05:35:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM101023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 18 05:33:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245   | 114   | 434511   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415   | 117   | 443998   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807  | 152   | 259043   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599   | 65    | 144256   | 37.013   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 74.020%  |
| 7) Chloroethane-d5            | 1.888   | 69    | 127259   | 39.946   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 79.900%  |
| 11) 1,1-Dichloroethene-d2     | 2.560   | 63    | 269166   | 38.733   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 77.460%  |
| 21) 2-Butanone-d5             | 4.615   | 46    | 255408   | 88.441   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.440%  |
| 24) Chloroform-d              | 5.055   | 84    | 344513   | 46.109   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.220%  |
| 26) 1,2-Dichloroethane-d4     | 5.695   | 65    | 217689   | 47.335   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.660%  |
| 32) Benzene-d6                | 5.721   | 84    | 651945   | 45.892   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.780%  |
| 36) 1,2-Dichloropropane-d6    | 6.685   | 67    | 214657   | 47.730   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.460%  |
| 41) Toluene-d8                | 7.894   | 98    | 570894   | 44.506   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.020%  |
| 43) trans-1,3-Dichloroprop... | 8.174   | 79    | 95232    | 44.082   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.160%  |
| 47) 2-Hexanone-d5             | 8.631   | 63    | 142530   | 80.616   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 80.620%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753  | 84    | 378292   | 54.647   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 109.300% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190  | 152   | 258016   | 50.192   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 100.380% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380   | 85    | 150067   | 41.479   | ug/L   | 100      |
| 3) Chloromethane              | 1.518   | 50    | 189084   | 55.233   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.602   | 62    | 178167   | 47.291   | ug/L   | 97       |
| 6) Bromomethane               | 1.830   | 94    | 65336    | 27.128   | ug/L   | 96       |
| 8) Chloroethane               | 1.911   | 64    | 119792   | 48.475   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 2.126   | 101   | 218710   | 40.632   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573   | 101   | 142355   | 41.123   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.570   | 96    | 142702   | 46.325   | ug/L   | 95       |
| 13) Acetone                   | 2.618   | 43    | 189386   | 70.668   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.785   | 76    | 408933   | 43.623   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.940   | 43    | 216741   | 52.809   | ug/L   | 98       |
| 16) Methylene chloride        | 3.036   | 84    | 211837   | 56.707   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.345   | 96    | 158040   | 50.173   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.354   | 73    | 610750   | 60.291   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.859   | 63    | 341199   | 52.820   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.660   | 96    | 197000   | 54.798   | ug/L   | 97       |
| 22) 2-Butanone                | 4.692   | 43    | 299436   | 92.699   | ug/L   | 98       |
| 23) Bromochloromethane        | 4.965   | 128   | 108176   | 58.102   | ug/L   | 94       |
| 25) Chloroform                | 5.081   | 83    | 363771   | 53.908   | ug/L   | 98       |

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Instrument :  
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 ClientSampleId :  
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Quant Time: Oct 18 05:35:05 2023  
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 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 18 05:33:39 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.788  | 62   | 292334   | 54.165  | ug/L  | 99       |
| 29) Cyclohexane               | 5.383  | 56   | 215952   | 42.434  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.309  | 97   | 280101   | 48.830  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.518  | 117  | 226835   | 45.177  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 744792   | 53.067  | ug/L  | 100      |
| 34) Trichloroethene           | 6.538  | 95   | 188040   | 48.965  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.759  | 83   | 227535   | 40.837  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 213984   | 55.368  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.100  | 83   | 278527   | 54.649  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 305541   | 51.965  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 615459   | 114.470 | ug/L  | 96       |
| 42) Toluene                   | 7.965  | 91   | 774749   | 52.314  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 288241   | 51.236  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 220280   | 57.803  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.550  | 164  | 125251   | 45.554  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.682  | 43   | 512444   | 112.838 | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.808  | 129  | 219795   | 56.447  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 229260   | 56.010  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.444  | 112  | 502508   | 52.444  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.566  | 91   | 815209   | 50.349  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.692  | 106  | 319199   | 52.623  | ug/L  | 96       |
| 54) o-Xylene                  | 10.097 | 106  | 322903   | 55.011  | ug/L  | 97       |
| 55) Styrene                   | 10.113 | 104  | 586027   | 58.934  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.779 | 83   | 398453   | 61.063  | ug/L  | 99       |
| 59) Bromoform                 | 10.287 | 173  | 183875   | 57.662  | ug/L  | 97       |
| 60) 1,2,3-Trichloropropane    | 10.820 | 75   | 321083   | 57.112  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.480 | 105  | 793207   | 49.118  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 680252   | 52.058  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.467 | 105  | 647704   | 50.127  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 424398   | 53.162  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 414971   | 50.558  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 439072   | 55.422  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 79889    | 47.531  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 245469   | 46.098  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 203420   | 45.863  | ug/L  | 100      |
| 71) Naphthalene               | 14.084 | 128  | 631261   | 47.911  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 210763   | 48.196  | ug/L  | 99       |

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

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