

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041023\  
 Data File : VU053625.D  
 Acq On : 10 Apr 2023 20:23  
 Operator : JC/MD  
 Sample : VSTDCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050192

Quant Time: Apr 11 02:24:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 02:19:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 262667   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 243885   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806  | 152   | 134968   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 85115    | 41.615   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 83.240%  |
| 7) Chloroethane-d5            | 1.909   | 69    | 71269    | 45.194   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 90.380%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 140312   | 44.318   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.640%  |
| 21) 2-Butanone-d5             | 4.610   | 46    | 102647   | 110.848  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 110.850% |
| 24) Chloroform-d              | 5.057   | 84    | 156287   | 46.204   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 95441    | 47.750   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.500%  |
| 32) Benzene-d6                | 5.722   | 84    | 306138   | 46.503   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.684   | 67    | 95709    | 47.565   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.140%  |
| 41) Toluene-d8                | 7.893   | 98    | 290477   | 44.395   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 88.780%  |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 46981    | 45.232   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.460%  |
| 47) 2-Hexanone-d5             | 8.626   | 63    | 80814    | 117.680  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 117.680% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 143358   | 50.549   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 101.100% |
| 66) 1,2-Dichlorobenzene-d4    | 12.188  | 152   | 120460   | 42.758   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.520%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 100177   | 46.989   | ug/L   | 99       |
| 3) Chloromethane              | 1.520   | 50    | 95997    | 54.799   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.604   | 62    | 112404   | 55.365   | ug/L   | 98       |
| 6) Bromomethane               | 1.848   | 94    | 69772    | 47.232   | ug/L   | 100      |
| 8) Chloroethane               | 1.928   | 64    | 68541    | 56.132   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.134   | 101   | 162617   | 52.076   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.578   | 101   | 85893    | 47.494   | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.578   | 96    | 78520    | 48.717   | ug/L   | 94       |
| 13) Acetone                   | 2.616   | 43    | 70168    | 84.315   | ug/L   | 97       |
| 14) Carbon disulfide          | 2.790   | 76    | 204691   | 48.010   | ug/L   | 97       |
| 15) Methyl Acetate            | 2.938   | 43    | 74290    | 58.280   | ug/L   | 94       |
| 16) Methylene chloride        | 3.041   | 84    | 94732    | 52.292   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 81213    | 50.138   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 3.356   | 73    | 256423   | 54.311   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.864   | 63    | 149453   | 55.700   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 4.661   | 96    | 93999    | 50.241   | ug/L   | 94       |
| 22) 2-Butanone                | 4.690   | 43    | 101902   | 101.071  | ug/L   | 95       |
| 23) Bromochloromethane        | 4.970   | 128   | 50227    | 48.195   | ug/L   | 94       |
| 25) Chloroform                | 5.079   | 83    | 164114   | 53.326   | ug/L   | 96       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050192

Quant Time: Apr 11 02:24:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 02:19:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.787  | 62   | 121981   | 54.122  | ug/L   | 98       |
| 29) Cyclohexane               | 5.385  | 56   | 122435   | 52.148  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 5.311  | 97   | 142591   | 53.061  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 5.520  | 117  | 121032   | 50.269  | ug/L   | 100      |
| 33) Benzene                   | 5.767  | 78   | 352710   | 55.508  | ug/L   | 100      |
| 34) Trichloroethene           | 6.536  | 95   | 94277    | 49.055  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.758  | 83   | 142374   | 50.398  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 6.784  | 63   | 90920    | 56.351  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.099  | 83   | 115234   | 53.537  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.600  | 75   | 146335   | 55.501  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.783  | 43   | 204558   | 116.668 | ug/L   | 98       |
| 42) Toluene                   | 7.964  | 91   | 371603   | 51.605  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.205  | 75   | 137406   | 55.128  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 8.394  | 97   | 94711    | 53.465  | ug/L   | 98       |
| 46) Tetrachloroethene         | 8.549  | 164  | 71712    | 44.966  | ug/L   | 95       |
| 48) 2-Hexanone                | 8.677  | 43   | 159227   | 112.266 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.803  | 129  | 91435    | 49.640  | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 8.918  | 107  | 103046   | 51.994  | ug/L   | 99       |
| 51) Chlorobenzene             | 9.443  | 112  | 260323   | 52.469  | ug/L   | 95       |
| 52) Ethylbenzene              | 9.565  | 91   | 409877   | 51.132  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.690  | 106  | 159420   | 50.850  | ug/L   | 99       |
| 54) o-Xylene                  | 10.095 | 106  | 158450   | 51.119  | ug/L   | 95       |
| 55) Styrene                   | 10.111 | 104  | 263871   | 52.265  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 152814   | 58.754  | ug/L   | 97       |
| 59) Bromoform                 | 10.285 | 173  | 64284    | 46.533  | ug/L   | 99       |
| 60) 1,2,3-Trichloropropane    | 10.819 | 75   | 114704   | 58.612  | ug/L   | 98       |
| 61) Isopropylbenzene          | 10.481 | 105  | 414675   | 51.966  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 345563   | 52.094  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.462 | 105  | 344597   | 52.450  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 196575   | 47.145  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 206641   | 48.626  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 202448   | 48.717  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.989 | 75   | 31521    | 60.419  | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 131458   | 42.575  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.835 | 180  | 121342   | 42.387  | ug/L   | 98       |
| 71) Naphthalene               | 14.082 | 128  | 408591   | 47.685  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.323 | 180  | 120774   | 42.239  | ug/L   | 99       |

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

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