

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW081721\  
 Data File : VW021850.D  
 Acq On : 18 Aug 2021 05:47  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

Quant Time: Aug 18 06:05:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 18 03:33:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 423579   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853   | 117   | 394403   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252  | 152   | 206185   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 161130   | 48.659   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 97.320%  |
| 7) Chloroethane-d5            | 1.558   | 69    | 121576   | 48.652   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 97.300%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 231642   | 43.946   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 87.900%  |
| 21) 2-Butanone-d5             | 3.873   | 46    | 226415   | 109.938  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 109.940% |
| 24) Chloroform-d              | 4.349   | 84    | 288388   | 50.267   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.540% |
| 26) 1,2-Dichloroethane-d4     | 5.030   | 65    | 169712   | 51.427   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 102.860% |
| 32) Benzene-d6                | 5.050   | 84    | 587838   | 51.830   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 103.660% |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 182415   | 51.648   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 103.300% |
| 41) Toluene-d8                | 7.317   | 98    | 539215   | 51.438   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 102.880% |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 80937    | 46.564   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.120%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 139973   | 120.919  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 120.920% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217  | 84    | 248596   | 56.799   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 113.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625  | 152   | 216654   | 50.774   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.540% |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 151397   | 46.200   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 163695   | 48.100   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307   | 62    | 161447   | 48.177   | ug/L   | 100      |
| 6) Bromomethane               | 1.510   | 94    | 101209   | 50.247   | ug/L   | 97       |
| 8) Chloroethane               | 1.577   | 64    | 98565    | 49.220   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 224553   | 48.906   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114   | 101   | 112682   | 42.865   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 111837   | 44.665   | ug/L   | 97       |
| 13) Acetone                   | 2.159   | 43    | 118209   | 69.757   | ug/L # | 100      |
| 14) Carbon disulfide          | 2.291   | 76    | 412131   | 48.919   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.426   | 43    | 175186   | 56.273   | ug/L   | 99       |
| 16) Methylene chloride        | 2.503   | 84    | 166201   | 47.720   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757   | 96    | 151311   | 51.499   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 469157   | 51.920   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.188   | 63    | 270034   | 51.630   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 167042   | 49.097   | ug/L   | 99       |
| 22) 2-Butanone                | 3.957   | 43    | 235395   | 95.383   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.249   | 128   | 87938    | 48.717   | ug/L   | 97       |
| 25) Chloroform                | 4.375   | 83    | 272076   | 48.346   | ug/L   | 99       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050306

Quant Time: Aug 18 06:05:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM081621WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 18 03:33:12 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 193363   | 48.766  | ug/L  | 100      |
| 29) Cyclohexane               | 4.677  | 56   | 235540   | 48.491  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 240641   | 48.760  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 206025   | 48.245  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 607406   | 50.046  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 161080   | 46.184  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.133  | 83   | 235985   | 46.377  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 154794   | 50.369  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 201242   | 49.683  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 229455   | 47.151  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 446983   | 105.734 | ug/L  | 99       |
| 42) Toluene                   | 7.390  | 91   | 646460   | 49.871  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 211926   | 46.211  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 156128   | 50.714  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.979  | 164  | 123940   | 47.816  | ug/L  | 100      |
| 48) 2-Hexanone                | 8.140  | 43   | 339319   | 103.622 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.249  | 129  | 169900   | 49.984  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 169640   | 50.635  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.882  | 112  | 418103   | 49.401  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 691475   | 50.001  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 267674   | 49.942  | ug/L  | 100      |
| 54) o-Xylene                  | 9.545  | 106  | 267675   | 50.384  | ug/L  | 99       |
| 55) Styrene                   | 9.561  | 104  | 405622   | 45.593  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 241193   | 56.277  | ug/L  | 99       |
| 59) Bromoform                 | 9.734  | 173  | 119924   | 48.928  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.934  | 105  | 696281   | 50.370  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 196454   | 51.558  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.541 | 105  | 579004   | 49.914  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 593376   | 50.309  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 330490   | 49.370  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 331687   | 49.639  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 335699   | 49.711  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 50401    | 54.405  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 232851   | 47.987  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 201536   | 49.522  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 683291   | 57.801  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 211242   | 51.670  | ug/L  | 99       |

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

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