

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW110623\  
 Data File : VV032849.D  
 Acq On : 06 Nov 2023 12:13  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050318

Quant Time: Nov 07 01:32:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Nov 04 00:57:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 351218   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 394758   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 221866   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.281   | 65    | 121448   | 36.356   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 72.720%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 115268   | 41.257   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 82.520%  |
| 11) 1,1-Dichloroethene-d2     | 2.059   | 65    | 54420    | 39.441   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.880%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 135543   | 93.544   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 93.540%  |
| 24) Chloroform-d              | 4.252   | 84    | 251185   | 47.108   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.220%  |
| 26) 1,2-Dichloroethane-d4     | 4.944   | 65    | 157809   | 47.620   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.240%  |
| 32) Benzene-d6                | 4.960   | 84    | 463429   | 45.659   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.320%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 141408   | 45.858   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.720%  |
| 41) Toluene-d8                | 7.243   | 98    | 474319   | 47.460   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.920%  |
| 43) trans-1,3-Dichloroprop... | 7.554   | 79    | 74548    | 46.420   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 92.840%  |
| 47) 2-Hexanone-d5             | 8.027   | 63    | 106742   | 94.820   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 94.820%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152  | 84    | 224355   | 47.947   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 95.900%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 198078   | 46.329   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 92.660%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 132004   | 42.714   | ug/L   | 100      |
| 3) Chloromethane              | 1.217   | 50    | 131334   | 43.928   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.285   | 62    | 137382   | 43.094   | ug/L   | 98       |
| 6) Bromomethane               | 1.487   | 94    | 98032    | 44.070   | ug/L   | 96       |
| 8) Chloroethane               | 1.548   | 64    | 100613   | 46.881   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.715   | 101   | 230358   | 45.342   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072   | 101   | 137748   | 44.811   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.072   | 96    | 120297   | 45.795   | ug/L   | 82       |
| 13) Acetone                   | 2.111   | 43    | 153601   | 63.332   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.243   | 76    | 282445   | 45.042   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.371   | 43    | 112330   | 45.679   | ug/L   | 100      |
| 16) Methylene chloride        | 2.449   | 84    | 138803   | 39.836   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.696   | 96    | 118030   | 47.076   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.706   | 73    | 371828   | 50.217   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.114   | 63    | 221905   | 46.442   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 130558   | 47.150   | ug/L   | 98       |
| 22) 2-Butanone                | 3.866   | 43    | 159993   | 77.787   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.149   | 128   | 74968    | 48.507   | ug/L   | 99       |
| 25) Chloroform                | 4.278   | 83    | 261035   | 47.933   | ug/L   | 95       |

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

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050318

Quant Time: Nov 07 01:32:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM103123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Nov 04 00:57:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 195407   | 49.789 | ug/L   | 97       |
| 29) Cyclohexane               | 4.587  | 56   | 154843   | 43.644 | ug/L # | 95       |
| 30) 1,1,1-Trichloroethane     | 4.516  | 97   | 222650   | 47.076 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 195687   | 46.823 | ug/L   | 99       |
| 33) Benzene                   | 5.011  | 78   | 506827   | 48.419 | ug/L   | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 149750   | 51.392 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.053  | 83   | 209010   | 45.841 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 140627   | 50.611 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.432  | 83   | 206724   | 47.424 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 218975   | 52.531 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 324689   | 98.602 | ug/L   | 98       |
| 42) Toluene                   | 7.316  | 91   | 609123   | 51.098 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 215292   | 50.283 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 153523   | 48.171 | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 120311   | 45.760 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.075  | 43   | 258047   | 87.340 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.178  | 129  | 164581   | 49.394 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 161065   | 49.605 | ug/L   | 100      |
| 51) Chlorobenzene             | 8.815  | 112  | 402442   | 47.687 | ug/L   | 98       |
| 52) Ethylbenzene              | 8.950  | 91   | 663136   | 50.430 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.075  | 106  | 259275   | 51.807 | ug/L   | 98       |
| 54) o-Xylene                  | 9.480  | 106  | 245179   | 50.569 | ug/L   | 98       |
| 55) Styrene                   | 9.496  | 104  | 453461   | 53.668 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 224373   | 47.006 | ug/L   | 98       |
| 59) Bromoform                 | 9.667  | 173  | 118057   | 47.459 | ug/L   | 98       |
| 60) Isopropylbenzene          | 9.869  | 105  | 678378   | 50.418 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 171240   | 46.207 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 547581   | 51.718 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 526539   | 51.987 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 345945   | 49.354 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 353795   | 47.836 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 349290   | 48.812 | ug/L   | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 44625    | 46.269 | ug/L   | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.586 | 180  | 241401   | 47.705 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.200 | 180  | 210294   | 48.054 | ug/L   | 100      |
| 71) Naphthalene               | 13.442 | 128  | 551629   | 50.477 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 222707   | 50.970 | ug/L   | 99       |

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

