

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW112223\  
 Data File : VW033061.D  
 Acq On : 22 Nov 2023 15:52  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050338

Quant Time: Nov 23 05:52:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 22 03:48:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 294451   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 295461   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188  | 152   | 177061   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 61292    | 39.812   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 79.620%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 49303    | 41.640   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 83.280%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 26403    | 41.913   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.820%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 100708   | 102.814  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 102.810% |
| 24) Chloroform-d              | 4.249   | 84    | 184216   | 48.553   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.100%  |
| 26) 1,2-Dichloroethane-d4     | 4.941   | 65    | 116133   | 49.069   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.140%  |
| 32) Benzene-d6                | 4.960   | 84    | 327621   | 47.616   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.240%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 93116    | 47.725   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 95.440%  |
| 41) Toluene-d8                | 7.243   | 98    | 314637   | 47.903   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.800%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 54222    | 47.603   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.200%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 86937    | 107.677  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 107.680% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153  | 84    | 149119   | 50.209   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 100.420% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 154754   | 49.013   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.020%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 134233   | 42.196   | ug/L   | 99       |
| 3) Chloromethane              | 1.214   | 50    | 100187   | 42.201   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282   | 62    | 91563    | 41.577   | ug/L   | 99       |
| 6) Bromomethane               | 1.484   | 94    | 62663    | 43.061   | ug/L   | 98       |
| 8) Chloroethane               | 1.548   | 64    | 51305    | 42.120   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 157287   | 44.116   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 71101    | 40.444   | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 70979    | 43.728   | ug/L   | 95       |
| 13) Acetone                   | 2.111   | 43    | 65257    | 68.090   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 231195   | 42.825   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.372   | 43    | 80597    | 47.969   | ug/L   | 99       |
| 16) Methylene chloride        | 2.446   | 84    | 101891   | 44.306   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.693   | 96    | 94687    | 45.581   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 333450   | 51.171   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 171630   | 46.252   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 110421   | 47.408   | ug/L   | 98       |
| 22) 2-Butanone                | 3.863   | 43    | 110093   | 88.718   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.146   | 128   | 61951    | 48.358   | ug/L   | 97       |
| 25) Chloroform                | 4.275   | 83    | 197487   | 47.284   | ug/L   | 100      |

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 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050338

Quant Time: Nov 23 05:52:46 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM112023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 22 03:48:12 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 157895   | 48.460  | ug/L  | 97       |
| 29) Cyclohexane               | 4.584  | 56   | 119911   | 42.064  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 185025   | 47.945  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.735  | 117  | 164806   | 45.827  | ug/L  | 99       |
| 33) Benzene                   | 5.011  | 78   | 395038   | 48.068  | ug/L  | 100      |
| 34) Trichloroethene           | 5.834  | 95   | 109106   | 47.100  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.050  | 83   | 143679   | 42.674  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 93363    | 46.284  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.433  | 83   | 151465   | 48.326  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 164526   | 47.376  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 226275   | 102.551 | ug/L  | 98       |
| 42) Toluene                   | 7.317  | 91   | 437397   | 48.033  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 169588   | 48.598  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.770  | 97   | 109094   | 48.022  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 90690    | 44.926  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.076  | 43   | 168349   | 96.442  | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 129725   | 49.546  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.285  | 107  | 118498   | 49.805  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.815  | 112  | 296775   | 45.927  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.947  | 91   | 484135   | 46.313  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 191170   | 46.545  | ug/L  | 96       |
| 54) o-Xylene                  | 9.481  | 106  | 188748   | 47.742  | ug/L  | 99       |
| 55) Styrene                   | 9.497  | 104  | 343902   | 48.763  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 156664   | 48.817  | ug/L  | 98       |
| 59) Bromoform                 | 9.667  | 173  | 106748   | 51.732  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.870  | 105  | 508791   | 47.401  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 124044   | 48.563  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 404006   | 46.912  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.854 | 105  | 431678   | 47.848  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 267795   | 46.567  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 275545   | 45.077  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 270987   | 46.961  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 37281    | 50.172  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 204849   | 45.818  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 193429   | 47.208  | ug/L  | 99       |
| 71) Naphthalene               | 13.439 | 128  | 554275   | 54.693  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.683 | 180  | 202142   | 50.885  | ug/L  | 100      |

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

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