

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120822\  
 Data File : VW029460.D  
 Acq On : 08 Dec 2022 09:55  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050376

Quant Time: Dec 09 01:58:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 08 01:48:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.606   | 114   | 595110   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.841   | 117   | 541100   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236  | 152   | 299301   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304   | 65    | 133415   | 36.610   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 73.220%  |
| 7) Chloroethane-d5            | 1.561   | 69    | 112010   | 40.309   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.620%  |
| 11) 1,1-Dichloroethene-d2     | 2.105   | 63    | 246150   | 43.306   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.620%  |
| 21) 2-Butanone-d5             | 3.863   | 46    | 213679   | 96.119   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 96.120%  |
| 24) Chloroform-d              | 4.336   | 84    | 296916   | 43.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.021   | 65    | 171308   | 43.738   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.480%  |
| 32) Benzene-d6                | 5.040   | 84    | 603424   | 42.204   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.059   | 67    | 184117   | 42.158   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 84.320%  |
| 41) Toluene-d8                | 7.307   | 98    | 565997   | 42.014   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 84.020%  |
| 43) trans-1,3-Dichloroprop... | 7.609   | 79    | 93680    | 42.479   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.960%  |
| 47) 2-Hexanone-d5             | 8.079   | 63    | 174650   | 93.650   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 93.650%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204  | 84    | 261501   | 41.902   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 83.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612  | 152   | 238871   | 41.925   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 83.860%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127   | 85    | 221824   | 47.322   | ug/L   | 100      |
| 3) Chloromethane              | 1.240   | 50    | 233461   | 43.682   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.307   | 62    | 212537   | 47.531   | ug/L   | 99       |
| 6) Bromomethane               | 1.513   | 94    | 107410   | 59.697   | ug/L   | 98       |
| 8) Chloroethane               | 1.577   | 64    | 122647   | 49.258   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.748   | 101   | 270332   | 48.293   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111   | 101   | 155759   | 50.076   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.114   | 96    | 155024   | 48.734   | ug/L   | 94       |
| 13) Acetone                   | 2.153   | 43    | 197140   | 136.127  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.288   | 76    | 502486   | 47.464   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.420   | 43    | 167129   | 50.653   | ug/L   | 99       |
| 16) Methylene chloride        | 2.497   | 84    | 192658   | 48.711   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.751   | 96    | 179194   | 48.890   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.761   | 73    | 551439   | 49.106   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.179   | 63    | 308111   | 49.069   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.899   | 96    | 199285   | 49.446   | ug/L   | 95       |
| 22) 2-Butanone                | 3.944   | 43    | 276344   | 119.922  | ug/L   | 98       |
| 23) Bromochloromethane        | 4.233   | 128   | 99182    | 47.790   | ug/L   | 95       |
| 25) Chloroform                | 4.362   | 83    | 319472   | 49.077   | ug/L   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050376

Quant Time: Dec 09 01:58:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM120722WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 08 01:48:46 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.117  | 62   | 223550   | 48.614  | ug/L  | 99       |
| 29) Cyclohexane               | 4.664  | 56   | 297036   | 50.675  | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 4.596  | 97   | 282241   | 47.876  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.815  | 117  | 242789   | 47.161  | ug/L  | 100      |
| 33) Benzene                   | 5.088  | 78   | 748337   | 49.065  | ug/L  | 100      |
| 34) Trichloroethene           | 5.902  | 95   | 187680   | 49.106  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.121  | 83   | 326073   | 50.233  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.162  | 63   | 183325   | 49.800  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.497  | 83   | 242046   | 47.630  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.018  | 75   | 295563   | 48.819  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.217  | 43   | 458563   | 104.477 | ug/L  | 99       |
| 42) Toluene                   | 7.378  | 91   | 801401   | 48.817  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.638  | 75   | 273883   | 47.770  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.828  | 97   | 184514   | 48.516  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.966  | 164  | 153137   | 49.836  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.130  | 43   | 370149   | 110.384 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.236  | 129  | 198007   | 47.157  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.342  | 107  | 190941   | 48.733  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.870  | 112  | 490843   | 47.218  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.001  | 91   | 826394   | 47.881  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.127  | 106  | 326524   | 47.800  | ug/L  | 100      |
| 54) o-Xylene                  | 9.532  | 106  | 317066   | 46.924  | ug/L  | 98       |
| 55) Styrene                   | 9.551  | 104  | 565277   | 48.139  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.230 | 83   | 285363   | 46.907  | ug/L  | 99       |
| 59) Bromoform                 | 9.718  | 173  | 145488   | 44.004  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.921  | 105  | 834146   | 47.469  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.262 | 75   | 215614   | 46.670  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.529 | 105  | 747521   | 48.112  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.902 | 105  | 749306   | 48.652  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.169 | 146  | 417661   | 48.610  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.259 | 146  | 417905   | 47.859  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.632 | 146  | 416928   | 47.453  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.413 | 75   | 63871    | 44.482  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.632 | 180  | 334519   | 48.923  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 303063   | 49.844  | ug/L  | 100      |
| 71) Naphthalene               | 13.490 | 128  | 738931   | 53.578  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 298397   | 50.105  | ug/L  | 99       |

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

