

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102823\  
 Data File : VX038620.D  
 Acq On : 27 Oct 2023 23:09  
 Operator : JC/MD  
 Sample : VSTD10053  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD100653

Quant Time: Oct 28 02:24:52 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML102823WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 28 02:22:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 6.763  | 114  | 419532   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117  | 413017   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152  | 241103   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65   | 294740   | 98.066  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.660  | 69   | 232558   | 75.411  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.307  | 65   | 130995   | 101.264 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 4.446  | 46   | 475203   | 227.368 | ug/L  | 0.00     |
| 24) Chloroform-d              | 5.056  | 84   | 607704   | 110.341 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.952  | 65   | 368870   | 99.999  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.977  | 84   | 1168322  | 100.484 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 7.306  | 67   | 344460   | 95.005  | ug/L  | 0.00     |
| 41) Toluene-d8                | 8.647  | 98   | 1160259  | 103.195 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79   | 178373   | 102.730 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 9.385  | 63   | 422693   | 252.052 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189 | 84   | 572796   | 116.150 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 12.317 | 152  | 499773   | 108.310 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85   | 353901   | 113.234 | ug/L  | 100      |
| 3) Chloromethane              | 1.295  | 50   | 274167   | 83.952  | ug/L  | 100      |
| 5) Vinyl chloride             | 1.374  | 62   | 302375   | 86.768  | ug/L  | 100      |
| 6) Bromomethane               | 1.599  | 94   | 222777   | 71.933  | ug/L  | 99       |
| 8) Chloroethane               | 1.685  | 64   | 182578   | 76.216  | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.886  | 101  | 495279   | 88.266  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101  | 298358   | 106.230 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.319  | 96   | 280496   | 105.494 | ug/L  | 89       |
| 13) Acetone                   | 2.380  | 43   | 307965   | 201.222 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.514  | 76   | 769716   | 106.931 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.703  | 43   | 320266   | 104.470 | ug/L  | 100      |
| 16) Methylene chloride        | 2.788  | 84   | 300753   | 104.750 | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 3.093  | 96   | 291145   | 109.112 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 3.111  | 73   | 899459   | 100.880 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.611  | 63   | 486539   | 96.512  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.489  | 96   | 336262   | 108.602 | ug/L  | 98       |
| 22) 2-Butanone                | 4.550  | 43   | 473345   | 210.817 | ug/L  | 96       |
| 23) Bromochloromethane        | 4.898  | 128  | 179114   | 115.281 | ug/L  | 99       |
| 25) Chloroform                | 5.093  | 83   | 559238   | 104.088 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 433066   | 102.726 | ug/L  | 98       |
| 29) Cyclohexane               | 5.471  | 56   | 435003   | 94.318  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 503680   | 104.619 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 457578   | 111.092 | ug/L  | 99       |
| 33) Benzene                   | 6.038  | 78   | 1161957  | 98.322  | ug/L  | 100      |
| 34) Trichloroethene           | 7.123  | 95   | 341529   | 103.779 | ug/L  | 96       |
| 35) Methylcyclohexane         | 7.379  | 83   | 499510   | 100.745 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 7.428  | 63   | 291665   | 91.636  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.818  | 83   | 421193   | 103.985 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 488080   | 97.336  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 899655   | 201.968 | ug/L  | 99       |
| 42) Toluene                   | 8.720  | 91   | 1319439  | 103.382 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 468967   | 101.239 | ug/L  | 99       |

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 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 28 02:22:08 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 331042   | 106.541 | ug/L  | 96       |
| 46) Tetrachloroethene         | 9.275  | 164  | 283889   | 116.359 | ug/L  | 98       |
| 48) 2-Hexanone                | 9.427  | 43   | 728564   | 208.904 | ug/L  | 100      |
| 49) Dibromochloromethane      | 9.519  | 129  | 365210   | 116.041 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 376962   | 111.877 | ug/L  | 99       |
| 51) Chlorobenzene             | 10.080 | 112  | 896564   | 107.413 | ug/L  | 99       |
| 52) Ethylbenzene              | 10.195 | 91   | 1503479  | 106.168 | ug/L  | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 595187   | 109.437 | ug/L  | 100      |
| 54) o-Xylene                  | 10.640 | 106  | 580721   | 108.734 | ug/L  | 99       |
| 55) Styrene                   | 10.653 | 104  | 1002987  | 112.115 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 553972   | 113.071 | ug/L  | 100      |
| 59) Bromoform                 | 10.799 | 173  | 303962   | 115.964 | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.964 | 105  | 1551430  | 96.787  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 423766   | 97.088  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 1337520  | 100.104 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 1322386  | 99.524  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 773669   | 106.795 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 784802   | 107.015 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 758283   | 105.998 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.939 | 75   | 137097   | 113.042 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.109 | 180  | 564700   | 114.639 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.585 | 180  | 521541   | 112.234 | ug/L  | 100      |
| 71) Naphthalene               | 13.774 | 128  | 1603217  | 104.941 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 506313   | 111.753 | ug/L  | 99       |

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

