

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060723\  
 Data File : VW031392.D  
 Acq On : 07 Jun 2023 12:01  
 Operator : SY/MD  
 Sample : VSTD20031  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD200231

Quant Time: Jun 08 04:00:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM060723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 08 03:57:59 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.538  | 114  | 325465   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 319446   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 185925   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 550229   | 192.149 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 436534   | 188.294 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65   | 264366   | 194.794 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.789  | 46   | 835103   | 407.075 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.252  | 84   | 1068552  | 196.173 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 721155   | 197.355 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.963  | 84   | 1977036  | 209.625 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67   | 669260   | 204.151 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.249  | 98   | 1835655  | 211.877 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.554  | 79   | 361213   | 218.741 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.030  | 63   | 595650   | 483.834 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159 | 84   | 851286   | 205.766 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.567 | 152  | 708980   | 205.562 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 237959   | 182.319 | ug/L  | 98       |
| 3) Chloromethane              | 1.217  | 50   | 185671   | 175.300 | ug/L  | 99       |
| 5) Vinyl chloride             | 1.285  | 62   | 232269   | 183.804 | ug/L  | 98       |
| 6) Bromomethane               | 1.490  | 94   | 134070   | 176.521 | ug/L  | 97       |
| 8) Chloroethane               | 1.548  | 64   | 178817   | 175.631 | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 563073   | 184.603 | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101  | 366444   | 185.775 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 242076   | 186.442 | ug/L  | 81       |
| 13) Acetone                   | 2.124  | 43   | 638909   | 345.109 | ug/L  | 98       |
| 14) Carbon disulfide          | 2.243  | 76   | 184128   | 165.787 | ug/L  | 96       |
| 15) Methyl Acetate            | 2.375  | 43   | 526725   | 188.412 | ug/L  | 99       |
| 16) Methylene chloride        | 2.449  | 84   | 353365   | 180.294 | ug/L  | 95       |
| 17) trans-1,2-Dichloroethene  | 2.696  | 96   | 241389   | 196.087 | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 2.706  | 73   | 1585350  | 209.513 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.114  | 63   | 805254   | 189.105 | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 3.818  | 96   | 406755   | 203.234 | ug/L  | 98       |
| 22) 2-Butanone                | 3.873  | 43   | 890286   | 394.494 | ug/L  | 98       |
| 23) Bromochloromethane        | 4.153  | 128  | 199623   | 189.670 | ug/L  | 97       |
| 25) Chloroform                | 4.281  | 83   | 899262   | 189.380 | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 5.043  | 62   | 680091   | 196.146 | ug/L  | 99       |
| 29) Cyclohexane               | 4.590  | 56   | 380378   | 222.328 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.519  | 97   | 735018   | 194.928 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 596446   | 190.414 | ug/L  | 99       |
| 33) Benzene                   | 5.014  | 78   | 1425276  | 202.208 | ug/L  | 100      |
| 34) Trichloroethene           | 5.837  | 95   | 415454   | 187.085 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.056  | 83   | 405718   | 213.619 | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 518519   | 204.378 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.436  | 83   | 732500   | 197.264 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 6.956  | 75   | 825030   | 217.662 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 1717760  | 416.796 | ug/L  | 100      |
| 42) Toluene                   | 7.320  | 91   | 1619726  | 205.301 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.583  | 75   | 844899   | 219.764 | ug/L  | 100      |

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 Quant Title : VOC Analysis  
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|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 515690   | 196.648 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.911  | 164  | 281368   | 195.172 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.082  | 43   | 1356110  | 420.374 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.181  | 129  | 578311   | 202.162 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 493480   | 195.466 | ug/L  | 96       |
| 51) Chlorobenzene             | 8.818  | 112  | 1174561  | 195.798 | ug/L  | 100      |
| 52) Ethylbenzene              | 8.950  | 91   | 2095444  | 213.413 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.079  | 106  | 747354   | 211.215 | ug/L  | 96       |
| 54) o-Xylene                  | 9.484  | 106  | 775715   | 217.321 | ug/L  | 99       |
| 55) Styrene                   | 9.500  | 104  | 1417500  | 217.823 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 824710   | 205.157 | ug/L  | 99       |
| 59) Bromoform                 | 9.670  | 173  | 465589   | 195.435 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.873  | 105  | 2269398  | 213.606 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 692876   | 184.090 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.480 | 105  | 1930850  | 220.060 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 1954236  | 222.512 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 1073212  | 197.352 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 1107311  | 192.511 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 1099009  | 197.144 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 203512   | 203.997 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 858522   | 205.059 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 770201   | 215.636 | ug/L  | 99       |
| 71) Naphthalene               | 13.445 | 128  | 2188852  | 223.588 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 748287   | 209.012 | ug/L  | 99       |

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

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