

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072524\  
 Data File : VW036671.D  
 Acq On : 24 Jul 2024 18:11  
 Operator : SY/MD  
 Sample : VSTD10036  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD100236

Quant Time: Jul 25 02:28:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM072424WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jul 25 02:25:25 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 363688   | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 378215   | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152  | 226239   | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65   | 274608   | 97.915  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.523  | 69   | 233517   | 137.941 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65   | 128113   | 108.474 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.773  | 46   | 305300   | 211.111 | ug/L  | 0.00     |
| 24) Chloroform-d              | 4.240  | 84   | 563228   | 114.850 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.934  | 65   | 340122   | 118.652 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.953  | 84   | 1058392  | 108.922 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67   | 295605   | 99.901  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.236  | 98   | 1069333  | 120.007 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.545  | 79   | 170822   | 120.559 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.018  | 63   | 263679   | 292.116 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84   | 452255   | 106.252 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 479083   | 120.093 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.101  | 85   | 344994   | 124.453 | ug/L  | 100      |
| 3) Chloromethane              | 1.214  | 50   | 247410   | 93.877  | ug/L  | 99       |
| 5) Vinyl chloride             | 1.278  | 62   | 313003   | 109.688 | ug/L  | 100      |
| 6) Bromomethane               | 1.471  | 94   | 269125   | 147.487 | ug/L  | 99       |
| 8) Chloroethane               | 1.539  | 64   | 204938   | 152.106 | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.706  | 101  | 548489   | 134.106 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101  | 324275   | 128.315 | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.063  | 96   | 296650   | 131.150 | ug/L  | 91       |
| 13) Acetone                   | 2.108  | 43   | 248595   | 151.336 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.233  | 76   | 754321   | 122.542 | ug/L  | 99       |
| 15) Methyl Acetate            | 2.365  | 43   | 224567   | 87.243  | ug/L  | 99       |
| 16) Methylene chloride        | 2.439  | 84   | 294637   | 108.042 | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 2.687  | 96   | 290688   | 122.868 | ug/L  | 99       |
| 18) Methyl tert-butyl Ether   | 2.699  | 73   | 843857   | 110.811 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.105  | 63   | 462921   | 99.359  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.806  | 96   | 330471   | 125.530 | ug/L  | 99       |
| 22) 2-Butanone                | 3.854  | 43   | 320633   | 174.046 | ug/L  | 99       |
| 23) Bromochloromethane        | 4.137  | 128  | 186658   | 124.095 | ug/L  | 98       |
| 25) Chloroform                | 4.269  | 83   | 557536   | 112.240 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 419344   | 115.233 | ug/L  | 99       |
| 29) Cyclohexane               | 4.574  | 56   | 359188   | 107.206 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 512970   | 116.989 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.728  | 117  | 477659   | 122.840 | ug/L  | 99       |
| 33) Benzene                   | 5.002  | 78   | 1103319  | 109.536 | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 360853   | 126.069 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 477496   | 120.504 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 259009   | 94.952  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.426  | 83   | 423205   | 110.369 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 488723   | 117.637 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.149  | 43   | 635159   | 198.352 | ug/L  | 98       |
| 42) Toluene                   | 7.310  | 91   | 1293942  | 121.192 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 473133   | 118.943 | ug/L  | 100      |

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 Quant Title : VOC Analysis  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 326083   | 110.079 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 308891   | 136.242 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.069  | 43   | 512664   | 190.268 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 383145   | 123.267 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 376953   | 122.912 | ug/L  | 98       |
| 51) Chlorobenzene             | 8.809  | 112  | 894593   | 118.129 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.940  | 91   | 1434336  | 123.497 | ug/L  | 99       |
| 53) m,p-Xylene                | 9.069  | 106  | 578562   | 130.407 | ug/L  | 99       |
| 54) o-Xylene                  | 9.474  | 106  | 560875   | 129.443 | ug/L  | 99       |
| 55) Styrene                   | 9.490  | 104  | 989751   | 132.390 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 431957   | 94.356  | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 338911   | 122.975 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.863  | 105  | 1515193  | 117.189 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 394369   | 95.073  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 1265417  | 122.249 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 1277820  | 125.788 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 796187   | 117.442 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 817273   | 114.653 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 804785   | 116.483 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 123533   | 125.071 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 620257   | 127.801 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 565194   | 143.389 | ug/L  | 100      |
| 71) Naphthalene               | 13.432 | 128  | 1680462  | 180.829 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 598125   | 151.346 | ug/L  | 99       |

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

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