

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV081624\  
 Data File : VV036964.D  
 Acq On : 16 Aug 2024 18:33  
 Operator : SY/MD  
 Sample : VSTDCC050EC  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050363

Quant Time: Aug 16 23:11:31 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM080224WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 16 23:06:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 629595   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780   | 117   | 603720   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181  | 152   | 315773   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 207046   | 41.173   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.340%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 174046   | 43.889   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.780%  |
| 11) 1,1-Dichloroethene-d2     | 2.056   | 65    | 92555    | 43.029   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 86.060%  |
| 21) 2-Butanone-d5             | 3.796   | 46    | 273153   | 102.522  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 102.520% |
| 24) Chloroform-d              | 4.243   | 84    | 425569   | 47.159   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 94.320%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 265636   | 45.783   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.560%  |
| 32) Benzene-d6                | 4.953   | 84    | 810302   | 44.438   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.880%  |
| 36) 1,2-Dichloropropane-d6    | 5.986   | 67    | 268830   | 45.698   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 91.400%  |
| 41) Toluene-d8                | 7.239   | 98    | 725949   | 43.401   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 86.800%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 119918   | 39.169   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 78.340%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 172039   | 101.711  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 101.710% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149  | 84    | 346201   | 51.254   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 102.500% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554  | 152   | 279179   | 43.387   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 86.780%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 258570   | 51.507   | ug/L   | 100      |
| 3) Chloromethane              | 1.217   | 50    | 269227   | 51.245   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282   | 62    | 277217   | 51.382   | ug/L   | 97       |
| 6) Bromomethane               | 1.484   | 94    | 169307   | 49.842   | ug/L   | 99       |
| 8) Chloroethane               | 1.545   | 64    | 170467   | 51.009   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 373133   | 52.800   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066   | 101   | 222155   | 53.349   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066   | 96    | 205758   | 51.736   | ug/L   | 99       |
| 13) Acetone                   | 2.111   | 43    | 183957   | 82.522   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.236   | 76    | 557165   | 44.598   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.372   | 43    | 244877   | 53.324   | ug/L   | 98       |
| 16) Methylene chloride        | 2.442   | 84    | 236638   | 52.926   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 2.687   | 96    | 212578   | 51.602   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 2.706   | 73    | 739367   | 50.959   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 444792   | 53.441   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.806   | 96    | 248106   | 51.312   | ug/L   | 99       |
| 22) 2-Butanone                | 3.879   | 43    | 290531   | 97.287   | ug/L   | 96       |
| 23) Bromochloromethane        | 4.140   | 128   | 124547   | 53.027   | ug/L   | 98       |
| 25) Chloroform                | 4.272   | 83    | 446126   | 52.188   | ug/L   | 99       |

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 MSVOA\_V  
 ClientSampleId :  
 VSTD050363

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 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 16 23:06:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 343676   | 50.968  | ug/L  | 100      |
| 29) Cyclohexane               | 4.571  | 56   | 362498   | 47.126  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 369146   | 48.533  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.725  | 117  | 309657   | 48.476  | ug/L  | 99       |
| 33) Benzene                   | 5.002  | 78   | 934305   | 51.741  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 258924   | 49.476  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 376986   | 46.945  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 248429   | 51.934  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 327461   | 49.711  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 391457   | 47.783  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 610300   | 102.993 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 976831   | 50.788  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 352690   | 46.200  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 244303   | 52.737  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 174401   | 50.806  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.075  | 43   | 446260   | 102.369 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.172  | 129  | 239861   | 50.386  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 252112   | 52.454  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.809  | 112  | 639155   | 51.792  | ug/L  | 98       |
| 52) Ethylbenzene              | 8.940  | 91   | 1111591  | 50.617  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.069  | 106  | 410014   | 49.948  | ug/L  | 98       |
| 54) o-Xylene                  | 9.474  | 106  | 406654   | 50.649  | ug/L  | 100      |
| 55) Styrene                   | 9.490  | 104  | 716342   | 52.063  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 358370   | 57.333  | ug/L  | 99       |
| 59) Bromoform                 | 9.661  | 173  | 159360   | 45.618  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.863  | 105  | 1112194  | 48.379  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 281782   | 49.571  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 906606   | 47.369  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.847 | 105  | 909545   | 47.473  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 494544   | 50.025  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 505222   | 50.256  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 491343   | 50.890  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 73092    | 44.496  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 339088   | 48.334  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.194 | 180  | 323102   | 48.020  | ug/L  | 98       |
| 71) Naphthalene               | 13.432 | 128  | 1059464  | 49.102  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 325164   | 49.369  | ug/L  | 100      |

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

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