

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092624\  
 Data File : VV037589.D  
 Acq On : 27 Sep 2024 06:54  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050281

Quant Time: Sep 27 07:21:28 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM092624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 26 11:54:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529   | 114   | 640756   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780   | 117   | 619140   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178  | 152   | 332997   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 222784   | 39.607   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 79.220%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 190930   | 43.731   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.460%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 98998    | 42.127   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.260%  |
| 21) 2-Butanone-d5             | 3.789   | 46    | 191006   | 97.479   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.480%  |
| 24) Chloroform-d              | 4.243   | 84    | 496393   | 49.603   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 26) 1,2-Dichloroethane-d4     | 4.937   | 65    | 291198   | 49.714   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 99.420%  |
| 32) Benzene-d6                | 4.953   | 84    | 936239   | 48.324   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.640%  |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 301568   | 47.296   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.600%  |
| 41) Toluene-d8                | 7.236   | 98    | 856118   | 48.732   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.460%  |
| 43) trans-1,3-Dichloroprop... | 7.548   | 79    | 134000   | 46.757   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.520%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 138574   | 110.665  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 110.670% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146  | 84    | 370602   | 51.700   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 103.400% |
| 66) 1,2-Dichlorobenzene-d4    | 11.551  | 152   | 347903   | 49.581   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.160%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 265752   | 48.719   | ug/L   | 100      |
| 3) Chloromethane              | 1.217   | 50    | 262886   | 49.641   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.285   | 62    | 274917   | 48.423   | ug/L   | 99       |
| 6) Bromomethane               | 1.487   | 94    | 151603   | 48.117   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 173562   | 49.599   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 378021   | 49.465   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 217217   | 47.565   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 208724   | 48.929   | ug/L   | 86       |
| 13) Acetone                   | 2.111   | 43    | 131933   | 67.176   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.240   | 76    | 622521   | 46.751   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.371   | 43    | 178618   | 52.114   | ug/L   | 98       |
| 16) Methylene chloride        | 2.445   | 84    | 245536   | 50.835   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 222408   | 49.283   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 678477   | 52.403   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 436201   | 50.448   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.809   | 96    | 260429   | 51.569   | ug/L   | 99       |
| 22) 2-Butanone                | 3.873   | 43    | 192673   | 91.250   | ug/L   | 94       |
| 23) Bromochloromethane        | 4.140   | 128   | 132191   | 50.603   | ug/L   | 99       |
| 25) Chloroform                | 4.272   | 83    | 455260   | 50.855   | ug/L   | 99       |

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 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050281

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 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 26 11:54:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 326618   | 51.681  | ug/L  | 98       |
| 29) Cyclohexane               | 4.574  | 56   | 337172   | 47.964  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 382759   | 50.195  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 327451   | 49.391  | ug/L  | 100      |
| 33) Benzene                   | 5.002  | 78   | 966034   | 51.735  | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 247119   | 49.695  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.043  | 83   | 361265   | 47.225  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 252971   | 52.463  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.426  | 83   | 334113   | 51.835  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 355537   | 46.192  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 416880   | 108.093 | ug/L  | 99       |
| 42) Toluene                   | 7.310  | 91   | 1011131  | 52.234  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 335531   | 48.420  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 241172   | 52.090  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.899  | 164  | 181914   | 47.847  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.072  | 43   | 294532   | 102.902 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.169  | 129  | 256956   | 52.438  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 247567   | 51.728  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.809  | 112  | 660479   | 50.080  | ug/L  | 100      |
| 52) Ethylbenzene              | 8.940  | 91   | 1106240  | 50.768  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.066  | 106  | 426009   | 52.532  | ug/L  | 98       |
| 54) o-Xylene                  | 9.471  | 106  | 409807   | 51.761  | ug/L  | 96       |
| 55) Styrene                   | 9.490  | 104  | 734934   | 53.323  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 331940   | 51.423  | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 163951   | 50.375  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.860  | 105  | 1091505  | 50.417  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 240201   | 50.693  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 868552   | 50.744  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 872277   | 51.220  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 516751   | 49.589  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 540562   | 49.818  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 514290   | 49.924  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 57231    | 49.756  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 338306   | 47.210  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 308870   | 46.456  | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 872708   | 50.240  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 321220   | 48.924  | ug/L  | 99       |

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

