

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV092324\  
 Data File : VV037466.D  
 Acq On : 23 Sep 2024 08:59  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050394

Quant Time: Sep 24 03:52:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 17 05:05:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.526   | 114   | 713822   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776   | 117   | 696893   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178  | 152   | 371861   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 239699   | 36.709   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 73.420%  |
| 7) Chloroethane-d5            | 1.532   | 69    | 203253   | 40.275   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 80.560%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 104549   | 38.094   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 76.180%  |
| 21) 2-Butanone-d5             | 3.789   | 46    | 182556   | 72.195   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 72.200%  |
| 24) Chloroform-d              | 4.240   | 84    | 474721   | 46.452   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.900%  |
| 26) 1,2-Dichloroethane-d4     | 4.934   | 65    | 272520   | 42.345   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.680%  |
| 32) Benzene-d6                | 4.950   | 84    | 906862   | 43.084   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 86.160%  |
| 36) 1,2-Dichloropropane-d6    | 5.982   | 67    | 289564   | 43.921   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 87.840%  |
| 41) Toluene-d8                | 7.236   | 98    | 814381   | 42.869   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.740%  |
| 43) trans-1,3-Dichloroprop... | 7.545   | 79    | 128839   | 42.241   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 84.480%  |
| 47) 2-Hexanone-d5             | 8.021   | 63    | 118401   | 65.804   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 65.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146  | 84    | 332339   | 41.564   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 83.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.551  | 152   | 317755   | 42.665   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 85.340%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108   | 85    | 274088   | 45.438   | ug/L   | 100      |
| 3) Chloromethane              | 1.217   | 50    | 259107   | 38.195   | ug/L   | 98       |
| 5) Vinyl chloride             | 1.285   | 62    | 290718   | 45.650   | ug/L   | 100      |
| 6) Bromomethane               | 1.487   | 94    | 140896   | 39.484   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 185587   | 47.643   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 408770   | 49.186   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 248474   | 50.267   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 223904   | 48.079   | ug/L   | 94       |
| 13) Acetone                   | 2.111   | 43    | 208729   | 76.967   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.240   | 76    | 635520   | 44.952   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.368   | 43    | 187020   | 41.134   | ug/L   | 99       |
| 16) Methylene chloride        | 2.442   | 84    | 259322   | 49.353   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 2.690   | 96    | 237569   | 49.139   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 694171   | 45.645   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.105   | 63    | 473546   | 49.322   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.806   | 96    | 271763   | 50.871   | ug/L   | 97       |
| 22) 2-Butanone                | 3.870   | 43    | 231863   | 77.653   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.137   | 128   | 142140   | 54.202   | ug/L   | 96       |
| 25) Chloroform                | 4.269   | 83    | 489670   | 50.360   | ug/L   | 99       |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050394

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 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 17 05:05:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.034  | 62   | 344968   | 48.365 | ug/L  | 99       |
| 29) Cyclohexane               | 4.571  | 56   | 375721   | 45.854 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 416873   | 51.988 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 354982   | 52.464 | ug/L  | 97       |
| 33) Benzene                   | 5.002  | 78   | 1030671  | 51.247 | ug/L  | 100      |
| 34) Trichloroethene           | 5.825  | 95   | 267345   | 50.363 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.040  | 83   | 417235   | 48.377 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.085  | 63   | 276308   | 51.246 | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.426  | 83   | 360042   | 52.100 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.947  | 75   | 438153   | 51.495 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.153  | 43   | 436232   | 79.582 | ug/L  | 98       |
| 42) Toluene                   | 7.307  | 91   | 1098257  | 52.448 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.574  | 75   | 388562   | 51.090 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.760  | 97   | 257422   | 51.288 | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.899  | 164  | 201480   | 52.899 | ug/L  | 98       |
| 48) 2-Hexanone                | 8.069  | 43   | 334868   | 78.991 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.169  | 129  | 270003   | 53.724 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.275  | 107  | 256861   | 50.574 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.805  | 112  | 713034   | 51.434 | ug/L  | 99       |
| 52) Ethylbenzene              | 8.937  | 91   | 1207904  | 51.068 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.066  | 106  | 461321   | 52.641 | ug/L  | 99       |
| 54) o-Xylene                  | 9.471  | 106  | 453164   | 52.813 | ug/L  | 95       |
| 55) Styrene                   | 9.487  | 104  | 804336   | 54.023 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 354633   | 47.707 | ug/L  | 99       |
| 59) Bromoform                 | 9.657  | 173  | 175871   | 50.790 | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.860  | 105  | 1208003  | 50.109 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.201 | 75   | 257064   | 44.439 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.468 | 105  | 988214   | 50.103 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 990873   | 50.340 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.108 | 146  | 571065   | 51.300 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.201 | 146  | 585796   | 51.415 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.570 | 146  | 555653   | 50.765 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.358 | 75   | 58292    | 40.407 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 12.574 | 180  | 387001   | 49.963 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 352167   | 48.284 | ug/L  | 99       |
| 71) Naphthalene               | 13.432 | 128  | 866565   | 41.145 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 349740   | 48.658 | ug/L  | 99       |

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

