

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121523\  
 Data File : VW033400.D  
 Acq On : 16 Dec 2023 00:13  
 Operator : SY/MD  
 Sample : 05846-04MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 YCHB6MS

Quant Time: Dec 16 01:31:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM121523WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 15 23:24:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535   | 114   | 197102   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786   | 117   | 206670   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185  | 152   | 113020   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278   | 65    | 68216    | 44.942   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 89.880%  |
| 7) Chloroethane-d5            | 1.529   | 69    | 64160    | 47.102   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.060   | 65    | 32381    | 42.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 85.720%  |
| 21) 2-Butanone-d5             | 3.783   | 46    | 86617    | 113.227  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 113.230% |
| 24) Chloroform-d              | 4.249   | 84    | 150953   | 50.276   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 100.560% |
| 26) 1,2-Dichloroethane-d4     | 4.941   | 65    | 97350    | 52.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 105.560% |
| 32) Benzene-d6                | 4.960   | 84    | 269657   | 48.445   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.880%  |
| 36) 1,2-Dichloropropane-d6    | 5.989   | 67    | 82496    | 48.833   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 97.660%  |
| 41) Toluene-d8                | 7.243   | 98    | 252650   | 49.605   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 99.200%  |
| 43) trans-1,3-Dichloroprop... | 7.551   | 79    | 40635    | 49.080   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 98.160%  |
| 47) 2-Hexanone-d5             | 8.024   | 63    | 63979    | 112.597  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 112.600% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153  | 84    | 127449   | 52.490   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 104.980% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561  | 152   | 102037   | 48.044   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.080%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.105   | 85    | 73077    | 45.127   | ug/L   | 100      |
| 3) Chloromethane              | 1.214   | 50    | 74056    | 49.675   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.282   | 62    | 76202    | 47.680   | ug/L   | 99       |
| 6) Bromomethane               | 1.484   | 94    | 52732    | 46.093   | ug/L   | 100      |
| 8) Chloroethane               | 1.548   | 64    | 54038    | 50.085   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.712   | 101   | 127101   | 45.353   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069   | 101   | 72145    | 44.126   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.069   | 96    | 66608    | 47.956   | ug/L   | 95       |
| 13) Acetone                   | 2.108   | 43    | 159953   | 180.132  | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240   | 76    | 163289   | 46.005   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.368   | 43    | 69890    | 55.110   | ug/L   | 96       |
| 16) Methylene chloride        | 2.445   | 84    | 79264    | 51.097   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.696   | 96    | 66958    | 51.002   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 2.703   | 73    | 219411   | 55.034   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.111   | 63    | 133031   | 52.870   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 3.815   | 96    | 76166    | 51.169   | ug/L   | 98       |
| 22) 2-Butanone                | 3.860   | 43    | 144080   | 164.692  | ug/L   | 99       |
| 23) Bromochloromethane        | 4.146   | 128   | 44123    | 54.079   | ug/L   | 96       |
| 25) Chloroform                | 4.275   | 83    | 149065   | 52.642   | ug/L   | 100      |

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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Quant Time: Dec 16 01:31:06 2023  
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 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 15 23:24:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 119188   | 54.605  | ug/L  | 99       |
| 29) Cyclohexane               | 4.584  | 56   | 82798    | 44.450  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.513  | 97   | 125813   | 49.306  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 108072   | 47.326  | ug/L  | 97       |
| 33) Benzene                   | 5.011  | 78   | 286697   | 52.046  | ug/L  | 100      |
| 34) Trichloroethene           | 5.831  | 95   | 73713    | 48.776  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.053  | 83   | 88903    | 41.015  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 77143    | 51.639  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 113802   | 52.928  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 6.953  | 75   | 115491   | 53.141  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 200190   | 125.573 | ug/L  | 99       |
| 42) Toluene                   | 7.317  | 91   | 312886   | 53.590  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 115182   | 52.816  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 83623    | 53.706  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.905  | 164  | 53822    | 45.579  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 160216   | 120.493 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.178  | 129  | 87495    | 53.142  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 88593    | 55.197  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.815  | 112  | 208531   | 49.560  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.947  | 91   | 324046   | 49.836  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 128099   | 52.437  | ug/L  | 95       |
| 54) o-Xylene                  | 9.481  | 106  | 123969   | 52.261  | ug/L  | 98       |
| 55) Styrene                   | 9.497  | 104  | 228257   | 54.524  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 133237   | 55.716  | ug/L  | 98       |
| 59) Bromoform                 | 9.664  | 173  | 61703    | 52.918  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.870  | 105  | 317678   | 49.498  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 100606   | 55.538  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.477 | 105  | 239960   | 49.332  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 257990   | 51.069  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 163424   | 48.993  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 173099   | 48.216  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.580 | 146  | 171825   | 49.490  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 28299    | 57.670  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 103431   | 44.836  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 89381    | 44.324  | ug/L  | 99       |
| 71) Naphthalene               | 13.442 | 128  | 258345   | 47.617  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 99061    | 50.223  | ug/L  | 99       |

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

