

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW032921\  
 Data File : VW020808.D  
 Acq On : 29 Mar 2021 16:49  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05096

Quant Time: Mar 30 04:45:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 30 04:39:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 685237   | 50.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117   | 664844   | 50.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255  | 152   | 395139   | 50.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 190377   | 39.13    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 78.26%   |
| 7) Chloroethane-d5            | 1.568   | 69    | 160535   | 43.65    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 87.30%   |
| 11) 1,1-Dichloroethene-d2     | 2.111   | 63    | 416592   | 45.39    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 90.78%   |
| 21) 2-Butanone-d5             | 3.879   | 46    | 288115   | 91.03    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 91.03%   |
| 24) Chloroform-d              | 4.349   | 84    | 473883   | 49.01    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 98.02%   |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 311850   | 48.96    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.92%   |
| 32) Benzene-d6                | 5.053   | 84    | 859238   | 48.49    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.98%   |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 255031   | 46.88    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 93.76%   |
| 41) Toluene-d8                | 7.316   | 98    | 838484   | 50.83    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 101.66%  |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 145813   | 50.37    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 100.74%  |
| 47) 2-Hexanone-d5             | 8.088   | 63    | 224228   | 98.30    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 98.30%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220  | 84    | 375203   | 47.34    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.68%   |
| 64) 1,2-Dichlorobenzene-d4    | 11.631  | 152   | 367088   | 47.87    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.74%   |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130   | 85    | 297971   | 46.41    | ug/L   | 100      |
| 3) Chloromethane              | 1.243   | 50    | 205518   | 40.10    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.310   | 62    | 226426   | 43.25    | ug/L   | 100      |
| 6) Bromomethane               | 1.523   | 94    | 152334   | 46.15    | ug/L   | 99       |
| 8) Chloroethane               | 1.584   | 64    | 132463   | 43.80    | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.754   | 101   | 434536   | 48.56    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117   | 101   | 216886   | 50.42    | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.117   | 96    | 192551   | 48.15    | ug/L   | 93       |
| 13) Acetone                   | 2.175   | 43    | 224590   | 99.51    | ug/L   | 100      |
| 14) Carbon disulfide          | 2.294   | 76    | 594390   | 44.95    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.432   | 43    | 209749   | 44.52    | ug/L   | 95       |
| 16) Methylene chloride        | 2.506   | 84    | 230435   | 47.25    | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.760   | 96    | 221803   | 48.37    | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.767   | 73    | 689268   | 48.48    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.191   | 63    | 405146   | 47.56    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912   | 96    | 236572   | 48.22    | ug/L   | 98       |
| 22) 2-Butanone                | 3.966   | 43    | 323585   | 97.95    | ug/L   | 96       |
| 23) Bromochloromethane        | 4.249   | 128   | 135218   | 51.20    | ug/L   | 90       |
| 25) Chloroform                | 4.378   | 83    | 450884   | 49.76    | ug/L   | 97       |

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 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05096

Quant Time: Mar 30 04:45:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 30 04:39:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 364392   | 50.34 | ug/L  | 99       |
| 29) Cyclohexane               | 4.680  | 56   | 344894   | 45.86 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 425833   | 51.79 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 381519   | 51.95 | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 902977   | 49.24 | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 253935   | 50.52 | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.133  | 83   | 374009   | 48.49 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 227271   | 47.26 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 335263   | 49.64 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 381725   | 51.42 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 605359   | 93.87 | ug/L  | 98       |
| 42) Toluene                   | 7.390  | 91   | 1009320  | 50.64 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 385963   | 51.63 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 238438   | 50.40 | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.979  | 164  | 216088   | 51.50 | ug/L  | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 487955   | 99.12 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 287133   | 52.11 | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 257256   | 50.78 | ug/L  | 95       |
| 51) Chlorobenzene             | 8.886  | 112  | 677560   | 50.64 | ug/L  | 98       |
| 52) Ethylbenzene              | 9.017  | 91   | 1158877  | 50.95 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.143  | 106  | 441809   | 52.22 | ug/L  | 98       |
| 54) o-xylene                  | 9.548  | 106  | 423256   | 51.91 | ug/L  | 96       |
| 55) Styrene                   | 9.564  | 104  | 761660   | 53.16 | ug/L  | 99       |
| 56) Isopropylbenzene          | 9.937  | 105  | 1175520  | 52.35 | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 365100   | 47.31 | ug/L  | 98       |
| 59) 1,2,3-Trichloropropane    | 10.278 | 75   | 310766   | 49.49 | ug/L  | 99       |
| 61) Bromoform                 | 9.738  | 173  | 218644   | 48.74 | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene       | 11.188 | 146  | 588999   | 48.85 | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene       | 11.278 | 146  | 605735   | 48.30 | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene       | 11.648 | 146  | 582215   | 48.99 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 93072    | 46.32 | ug/L  | 95       |
| 67) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 461027   | 49.32 | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene    | 13.268 | 180  | 407749   | 51.45 | ug/L  | 99       |
| 69) Naphthalene               | 13.509 | 128  | 1176726  | 51.87 | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene    | 13.750 | 180  | 408774   | 51.51 | ug/L  | 99       |

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

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