

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040221\  
 Data File : VW020870.D  
 Acq On : 02 Apr 2021 10:04  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05069

Quant Time: Apr 03 00:28:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 02 08:30:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619   | 114   | 680775   | 50.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117   | 676192   | 50.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255  | 152   | 396657   | 50.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65    | 168842   | 34.93    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 69.86%   |
| 7) Chloroethane-d5            | 1.571   | 69    | 138834   | 37.99    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 75.98%   |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63    | 369512   | 40.52    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 81.04%   |
| 21) 2-Butanone-d5             | 3.895   | 46    | 277178   | 88.15    | ug/L   | -0.01    |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 88.15%   |
| 24) Chloroform-d              | 4.349   | 84    | 463885   | 48.29    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.58%   |
| 26) 1,2-Dichloroethane-d4     | 5.034   | 65    | 307851   | 48.65    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.30%   |
| 32) Benzene-d6                | 5.050   | 84    | 813933   | 45.16    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 90.32%   |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67    | 239821   | 43.34    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 86.68%   |
| 41) Toluene-d8                | 7.316   | 98    | 814552   | 48.55    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.10%   |
| 43) trans-1,3-Dichloroprop... | 7.622   | 79    | 143469   | 48.73    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 97.46%   |
| 47) 2-Hexanone-d5             | 8.091   | 63    | 213697   | 92.11    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 92.11%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220  | 84    | 367828   | 45.63    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 91.26%   |
| 64) 1,2-Dichlorobenzene-d4    | 11.631  | 152   | 372542   | 48.39    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 96.78%   |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130   | 85    | 305831   | 47.95    | ug/L   | 100      |
| 3) Chloromethane              | 1.243   | 50    | 202736   | 39.82    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.313   | 62    | 225379   | 43.33    | ug/L   | 99       |
| 6) Bromomethane               | 1.522   | 94    | 165144   | 50.36    | ug/L   | 100      |
| 8) Chloroethane               | 1.587   | 64    | 137860   | 45.88    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.754   | 101   | 478036   | 53.77    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117   | 101   | 236186   | 55.27    | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.117   | 96    | 204952   | 51.59    | ug/L   | 86       |
| 13) Acetone                   | 2.191   | 43    | 276404   | 123.27   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.294   | 76    | 593942   | 45.21    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.439   | 43    | 210609   | 44.99    | ug/L   | 93       |
| 16) Methylene chloride        | 2.506   | 84    | 242894   | 50.13    | ug/L   | 91       |
| 17) trans-1,2-Dichloroethene  | 2.760   | 96    | 225501   | 49.50    | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.770   | 73    | 742880   | 52.59    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.191   | 63    | 415264   | 49.06    | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.911   | 96    | 254001   | 52.11    | ug/L   | 91       |
| 22) 2-Butanone                | 3.985   | 43    | 340421   | 103.72   | ug/L   | 94       |
| 23) Bromochloromethane        | 4.249   | 128   | 142972   | 54.49    | ug/L   | 86       |
| 25) Chloroform                | 4.378   | 83    | 482464   | 53.59    | ug/L   | 97       |

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Quant Time: Apr 03 00:28:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 02 08:30:00 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 374709   | 52.10  | ug/L   | 98       |
| 29) Cyclohexane               | 4.677  | 56   | 341056   | 44.59  | ug/L   | 91       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 463188   | 55.38  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 423019   | 56.63  | ug/L   | 99       |
| 33) Benzene                   | 5.101  | 78   | 916998   | 49.17  | ug/L   | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 265816   | 51.99  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.133  | 83   | 390156   | 49.74  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 222597   | 45.51  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 358373   | 52.17  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 373113   | 49.41  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 605087   | 92.26  | ug/L   | 96       |
| 42) Toluene                   | 7.390  | 91   | 1057838  | 52.18  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 401317   | 52.78  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 250045   | 51.97  | ug/L   | 96       |
| 46) Tetrachloroethene         | 7.976  | 164  | 237548   | 55.66  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 512699   | 102.40 | ug/L # | 97       |
| 49) Dibromochloromethane      | 8.249  | 129  | 316125   | 56.40  | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 277448   | 53.84  | ug/L   | 95       |
| 51) Chlorobenzene             | 8.886  | 112  | 710990   | 52.25  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.014  | 91   | 1201022  | 51.92  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.143  | 106  | 458808   | 53.32  | ug/L   | 98       |
| 54) o-xylene                  | 9.548  | 106  | 457877   | 55.21  | ug/L   | 96       |
| 55) Styrene                   | 9.564  | 104  | 797708   | 54.74  | ug/L   | 97       |
| 56) Isopropylbenzene          | 9.937  | 105  | 1247096  | 54.60  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 381395   | 48.59  | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 10.278 | 75   | 326005   | 51.04  | ug/L   | 99       |
| 61) Bromoform                 | 9.734  | 173  | 241303   | 53.58  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene       | 11.184 | 146  | 615803   | 50.87  | ug/L   | 100      |
| 63) 1,4-Dichlorobenzene       | 11.278 | 146  | 628548   | 49.93  | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene       | 11.647 | 146  | 627614   | 52.61  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 98702    | 48.94  | ug/L   | 85       |
| 67) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 489876   | 52.21  | ug/L   | 99       |
| 68) 1,2,4-trichlorobenzene    | 13.268 | 180  | 417883   | 52.53  | ug/L   | 100      |
| 69) Naphthalene               | 13.509 | 128  | 1212803  | 53.26  | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene    | 13.750 | 180  | 422576   | 53.04  | ug/L   | 98       |

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

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