

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW012221\  
 Data File : VW020132.D  
 Acq On : 22 Jan 2021 10:49  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05079

Quant Time: Jan 23 00:08:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 22 06:43:18 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.618   | 114   | 499764   | 50.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.855   | 117   | 456536   | 50.00    | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.254  | 152   | 273789   | 50.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.309   | 65    | 150050   | 40.48    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 80.96%   |
| 7) Chloroethane-d5            | 1.569   | 69    | 131944   | 42.53    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 85.06%   |
| 11) 1,1-Dichloroethene-d2     | 2.110   | 63    | 295920   | 39.97    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 79.94%   |
| 21) 2-Butanone-d5             | 3.891   | 46    | 216119   | 85.02    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 85.02%   |
| 24) Chloroform-d              | 4.348   | 84    | 292362   | 42.11    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 84.22%   |
| 26) 1,2-Dichloroethane-d4     | 5.032   | 65    | 213256   | 44.31    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 88.62%   |
| 32) Benzene-d6                | 5.052   | 84    | 583859   | 46.44    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.88%   |
| 36) 1,2-Dichloropropane-d6    | 6.071   | 67    | 198576   | 50.03    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 100.06%  |
| 41) Toluene-d8                | 7.318   | 98    | 524536   | 44.84    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 89.68%   |
| 43) trans-1,3-Dichloroprop... | 7.624   | 79    | 90561    | 46.63    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.26%   |
| 47) 2-Hexanone-d5             | 8.090   | 63    | 145700   | 88.31    | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 88.31%   |
| 57) 1,1,2,2-Tetrachloroeth... | 10.222  | 84    | 277917   | 51.15    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 102.30%  |
| 64) 1,2-Dichlorobenzene-d4    | 11.630  | 152   | 245938   | 47.80    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 95.60%   |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.129   | 85    | 183741   | 43.76    | ug/L   | 99       |
| 3) Chloromethane              | 1.242   | 50    | 179332   | 42.79    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.312   | 62    | 187399   | 43.29    | ug/L   | 98       |
| 6) Bromomethane               | 1.524   | 94    | 117360   | 42.98    | ug/L   | 97       |
| 8) Chloroethane               | 1.586   | 64    | 122954   | 44.29    | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.753   | 101   | 293059   | 47.50    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.116   | 101   | 159875   | 45.24    | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.119   | 96    | 146032   | 43.01    | ug/L   | 78       |
| 13) Acetone                   | 2.184   | 43    | 270074   | 123.50   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.296   | 76    | 409305   | 41.38    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.434   | 43    | 161560   | 40.16    | ug/L   | 99       |
| 16) Methylene chloride        | 2.508   | 84    | 152705   | 41.42    | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.759   | 96    | 143950   | 42.68    | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 2.769   | 73    | 464878   | 42.57    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.190   | 63    | 271375   | 42.15    | ug/L   | 100      |
| 20) cis-1,2-Dichloroethene    | 3.913   | 96    | 153186   | 42.36    | ug/L   | 93       |
| 22) 2-Butanone                | 3.971   | 43    | 265231   | 96.51    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.248   | 128   | 77786    | 41.06    | ug/L   | 93       |
| 25) Chloroform                | 4.376   | 83    | 289410   | 42.85    | ug/L   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD05079

Quant Time: Jan 23 00:08:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM012121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 22 06:43:18 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.129  | 62   | 272214   | 47.22 | ug/L   | 100      |
| 29) Cyclohexane               | 4.679  | 56   | 244409   | 46.02 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.608  | 97   | 262668   | 46.25 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.830  | 117  | 227142   | 46.51 | ug/L   | 99       |
| 33) Benzene                   | 5.100  | 78   | 704530   | 51.36 | ug/L   | 100      |
| 34) Trichloroethene           | 5.913  | 95   | 195253   | 50.34 | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.132  | 83   | 295218   | 53.28 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.174  | 63   | 181472   | 50.61 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.511  | 83   | 222159   | 45.24 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.029  | 75   | 249950   | 45.09 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.228  | 43   | 440450   | 81.97 | ug/L   | 97       |
| 42) Toluene                   | 7.389  | 91   | 671115   | 46.11 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.653  | 75   | 255198   | 48.52 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.839  | 97   | 159916   | 45.29 | ug/L   | 97       |
| 46) Tetrachloroethene         | 7.978  | 164  | 141411   | 48.84 | ug/L   | 95       |
| 48) 2-Hexanone                | 8.142  | 43   | 365382   | 87.83 | ug/L # | 96       |
| 49) Dibromochloromethane      | 8.251  | 129  | 179030   | 46.92 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.354  | 107  | 172032   | 44.58 | ug/L # | 98       |
| 51) Chlorobenzene             | 8.884  | 112  | 461015   | 48.18 | ug/L   | 97       |
| 52) Ethylbenzene              | 9.016  | 91   | 799840   | 49.91 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.142  | 106  | 310846   | 53.27 | ug/L   | 95       |
| 54) o-xylene                  | 9.547  | 106  | 303298   | 51.68 | ug/L   | 98       |
| 55) Styrene                   | 9.563  | 104  | 535780   | 52.18 | ug/L   | 98       |
| 56) Isopropylbenzene          | 9.936  | 105  | 855358   | 54.59 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane | 10.248 | 83   | 272260   | 51.17 | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane    | 10.280 | 75   | 231127   | 48.80 | ug/L   | 98       |
| 61) Bromoform                 | 9.736  | 173  | 134479   | 48.32 | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene       | 11.186 | 146  | 409679   | 49.18 | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene       | 11.280 | 146  | 422002   | 48.62 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene       | 11.649 | 146  | 407723   | 48.31 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 12.434 | 75   | 54740    | 39.13 | ug/L   | 100      |
| 67) 1,3,5-Trichlorobenzene    | 12.653 | 180  | 261333   | 40.49 | ug/L   | 100      |
| 68) 1,2,4-trichlorobenzene    | 13.270 | 180  | 236641   | 41.52 | ug/L   | 99       |
| 69) Naphthalene               | 13.511 | 128  | 667329   | 40.36 | ug/L   | 100      |
| 70) 1,2,3-Trichlorobenzene    | 13.752 | 180  | 226629   | 40.45 | ug/L   | 99       |

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

