

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW123121\  
 Data File : VW024248.D  
 Acq On : 30 Dec 2021 21:52  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050375

Quant Time: Dec 31 05:23:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 31 05:15:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.616          | 114  | 252477     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 237314     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 134036     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 87535      | 48.174   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 96.340%  |       |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 66442      | 48.135   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 96.260%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.111          | 63   | 162779     | 47.933   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.860%  |       |          |
| 21) 2-Butanone-d5             | 3.886          | 46   | 98514      | 97.312   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 97.310%  |       |          |
| 24) Chloroform-d              | 4.349          | 84   | 160561     | 48.348   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.700%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.031          | 65   | 106978     | 48.114   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.220%  |       |          |
| 32) Benzene-d6                | 5.050          | 84   | 305035     | 49.256   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.520%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 84118      | 48.467   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 96.940%  |       |          |
| 41) Toluene-d8                | 7.317          | 98   | 296044     | 49.373   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 98.740%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 49545      | 49.575   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 99.140%  |       |          |
| 47) 2-Hexanone-d5             | 8.088          | 63   | 78061      | 103.524  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 103.520% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214         | 84   | 119560     | 48.204   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 96.400%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622         | 152  | 127232     | 47.623   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.240%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130          | 85   | 99698      | 48.946   | ug/L  | 99       |
| 3) Chloromethane              | 1.243          | 50   | 82697      | 48.324   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.310          | 62   | 88842      | 49.065   | ug/L  | 99       |
| 6) Bromomethane               | 1.523          | 94   | 56601      | 54.856   | ug/L  | 100      |
| 8) Chloroethane               | 1.587          | 64   | 56362      | 50.429   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.754          | 101  | 161382     | 49.583   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117          | 101  | 75603      | 47.529   | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.121          | 96   | 76099      | 49.483   | ug/L  | 97       |
| 13) Acetone                   | 2.179          | 43   | 82211      | 82.250   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.294          | 76   | 217764     | 48.768   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.433          | 43   | 71147      | 48.940   | ug/L  | 99       |
| 16) Methylene chloride        | 2.507          | 84   | 83489      | 49.852   | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 2.761          | 96   | 78133      | 49.304   | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 2.767          | 73   | 249291     | 51.041   | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.191          | 63   | 130809     | 49.766   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 84481      | 49.916   | ug/L  | 99       |
| 22) 2-Butanone                | 3.973          | 43   | 101162     | 95.278   | ug/L  | 93       |
| 23) Bromochloromethane        | 4.246          | 128  | 47519      | 48.727   | ug/L  | 95       |
| 25) Chloroform                | 4.375          | 83   | 150653     | 49.022   | 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 :  
 VSTD050375

Quant Time: Dec 31 05:23:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM123121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 31 05:15:35 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 124388   | 49.763  | ug/L  | 99       |
| 29) Cyclohexane               | 4.680  | 56   | 106428   | 50.169  | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 145434   | 49.807  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 131887   | 48.686  | ug/L  | 98       |
| 33) Benzene                   | 5.101  | 78   | 306575   | 50.806  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 83212    | 50.007  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 121919   | 49.403  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 71701    | 50.518  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.510  | 83   | 111553   | 50.086  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 124411   | 52.145  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 190647   | 103.009 | ug/L  | 99       |
| 42) Toluene                   | 7.387  | 91   | 344984   | 50.930  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 125336   | 51.787  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 79410    | 49.908  | ug/L  | 98       |
| 46) Tetrachloroethene         | 7.976  | 164  | 74145    | 48.955  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 148732   | 100.053 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 99247    | 49.762  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 85170    | 49.836  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.882  | 112  | 226379   | 49.619  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.011  | 91   | 362467   | 50.089  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 146035   | 50.346  | ug/L  | 96       |
| 54) o-Xylene                  | 9.542  | 106  | 145033   | 52.380  | ug/L  | 96       |
| 55) Styrene                   | 9.558  | 104  | 250825   | 52.164  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 112569   | 48.451  | ug/L  | 98       |
| 59) Bromoform                 | 9.731  | 173  | 75426    | 49.350  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 377327   | 50.874  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 94642    | 48.086  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 329165   | 51.594  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 332224   | 52.160  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 191812   | 50.157  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 195897   | 49.672  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 192590   | 48.864  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 28050    | 49.483  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 149566   | 50.846  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 132113   | 52.515  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 393927   | 54.123  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 137163   | 52.754  | ug/L  | 99       |

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

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