

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020222\  
 Data File : VW024517.D  
 Acq On : 02 Feb 2022 12:04  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV206

Quant Time: Feb 03 05:52:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM020222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 03 05:33:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc    | Units    | Dev(Min) |
|-------------------------------|-----------|-------|----------|---------|----------|----------|
| -----                         |           |       |          |         |          |          |
| Internal Standards            |           |       |          |         |          |          |
| 1) 1,4-Difluorobenzene        | 5.612     | 114   | 369605   | 50.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.850     | 117   | 342842   | 50.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246    | 152   | 159684   | 50.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |           |       |          |         |          |          |
| 4) Vinyl Chloride-d3          | 1.307     | 65    | 134928   | 51.408  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 135 | Recovery | =       | 102.820% |          |
| 7) Chloroethane-d5            | 1.568     | 69    | 109561   | 47.892  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 130 | Recovery | =       | 95.780%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108     | 63    | 274636   | 52.522  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 105.040% |          |
| 21) 2-Butanone-d5             | 3.899     | 46    | 168880   | 97.284  | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 40  | - 130 | Recovery | =       | 97.280%  |          |
| 24) Chloroform-d              | 4.346     | 84    | 247021   | 51.246  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 102.500% |          |
| 26) 1,2-Dichloroethane-d4     | 5.030     | 65    | 158150   | 51.403  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 102.800% |          |
| 32) Benzene-d6                | 5.047     | 84    | 488796   | 50.142  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 125 | Recovery | =       | 100.280% |          |
| 36) 1,2-Dichloropropane-d6    | 6.066     | 67    | 156522   | 50.438  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 70  | - 120 | Recovery | =       | 100.880% |          |
| 41) Toluene-d8                | 7.313     | 98    | 449173   | 50.067  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 100.140% |          |
| 43) trans-1,3-Dichloroprop... | 7.619     | 79    | 82330    | 50.416  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 60  | - 125 | Recovery | =       | 100.840% |          |
| 47) 2-Hexanone-d5             | 8.088     | 63    | 142724   | 108.285 | ug/L     | 0.00     |
| Spiked Amount 100.000         | Range 45  | - 130 | Recovery | =       | 108.280% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214    | 84    | 194096   | 52.171  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 65  | - 120 | Recovery | =       | 104.340% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622    | 152   | 151960   | 50.298  | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 80  | - 120 | Recovery | =       | 100.600% |          |
| Target Compounds              |           |       |          |         |          |          |
|                               |           |       |          |         | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.130     | 85    | 146294   | 53.538  | ug/L     | 98       |
| 3) Chloromethane              | 1.240     | 50    | 143996   | 52.859  | ug/L     | 99       |
| 5) Vinyl chloride             | 1.310     | 62    | 153133   | 52.910  | ug/L     | 100      |
| 6) Bromomethane               | 1.523     | 94    | 95675    | 53.703  | ug/L     | 98       |
| 8) Chloroethane               | 1.584     | 64    | 95928    | 48.588  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.754     | 101   | 220958   | 51.492  | ug/L     | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117     | 101   | 123926   | 54.515  | ug/L     | 98       |
| 12) 1,1-Dichloroethene        | 2.117     | 96    | 118524   | 54.197  | ug/L     | 90       |
| 13) Acetone                   | 2.201     | 43    | 191661   | 105.026 | ug/L     | 95       |
| 14) Carbon disulfide          | 2.294     | 76    | 330859   | 54.557  | ug/L     | 100      |
| 15) Methyl Acetate            | 2.439     | 43    | 118066   | 48.838  | ug/L     | 97       |
| 16) Methylene chloride        | 2.506     | 84    | 126571   | 52.396  | ug/L     | 99       |
| 17) trans-1,2-Dichloroethene  | 2.757     | 96    | 118499   | 52.986  | ug/L     | 98       |
| 18) Methyl tert-butyl Ether   | 2.767     | 73    | 410945   | 52.618  | ug/L     | 99       |
| 19) 1,1-Dichloroethane        | 3.188     | 63    | 228710   | 52.759  | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 3.908     | 96    | 134194   | 53.154  | ug/L     | 99       |
| 22) 2-Butanone                | 3.982     | 43    | 217136   | 105.667 | ug/L     | 95       |
| 23) Bromochloromethane        | 4.246     | 128   | 63813    | 52.526  | ug/L     | 98       |
| 25) Chloroform                | 4.371     | 83    | 235912   | 52.299  | ug/L     | 100      |

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 Sample : VSTDICV050  
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 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV206

Quant Time: Feb 03 05:52:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM020222WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 03 05:33:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 187172   | 52.936  | ug/L  | 98       |
| 29) Cyclohexane               | 4.674  | 56   | 210210   | 52.530  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.606  | 97   | 212334   | 51.793  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.825  | 117  | 178998   | 52.870  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 505639   | 51.835  | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 140523   | 51.129  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.127  | 83   | 220220   | 53.105  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 135176   | 52.554  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.506  | 83   | 184522   | 51.169  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 227647   | 53.920  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 388603   | 107.871 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 545210   | 52.170  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 220942   | 53.886  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 126048   | 51.259  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.972  | 164  | 86839    | 53.181  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.136  | 43   | 335927   | 109.636 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.243  | 129  | 136055   | 52.420  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 134086   | 52.437  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 338049   | 51.832  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.008  | 91   | 603895   | 52.216  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.136  | 106  | 228959   | 52.908  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 225059   | 52.076  | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 382946   | 52.339  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 190119   | 53.992  | ug/L  | 99       |
| 59) Bromoform                 | 9.728  | 173  | 84578    | 54.877  | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.927  | 105  | 604751   | 53.033  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 167259   | 52.765  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 514959   | 52.883  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 520683   | 53.130  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 249806   | 53.571  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 248870   | 52.693  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 244854   | 52.524  | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 45927    | 54.975  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 170570   | 55.158  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 153977   | 55.883  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 583019   | 57.716  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 153107   | 56.885  | ug/L  | 99       |

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

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