

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW090221\  
 Data File : VW022093.D  
 Acq On : 02 Sep 2021 23:02  
 Operator : SY/MD  
 Sample : VSTDCCC050EC  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050328

Manual Integrations  
 APPROVED

MMDadoda  
 9/7/2021 8:50:09 AM

Quant Time: Sep 03 01:05:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 03 00:59:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 368845     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 347220     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 177712     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 108449     | 42.457   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.920%  |        |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 88534      | 44.384   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 88.760%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 199705     | 47.275   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 94.540%  |        |          |
| 21) 2-Butanone-d5             | 3.896          | 46   | 194289     | 110.909  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 110.910% |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 223714     | 48.033   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.060%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 135079     | 49.239   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 98.480%  |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 452110     | 48.006   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.020%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 141947     | 47.926   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 95.860%  |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 415447     | 46.731   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.460%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 64134      | 45.495   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.000%  |        |          |
| 47) 2-Hexanone-d5             | 8.091          | 63   | 133583     | 117.547  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 117.550% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 198501     | 52.331   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 104.660% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 167357     | 47.904   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.800%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127          | 85   | 100815     | 39.763   | ug/L   | 99       |
| 3) Chloromethane              | 1.240          | 50   | 104760     | 39.021   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.307          | 62   | 112438     | 41.552   | ug/L   | 99       |
| 6) Bromomethane               | 1.519          | 94   | 71611      | 44.017   | ug/L   | 100      |
| 8) Chloroethane               | 1.584          | 64   | 72396      | 42.768   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.751          | 101  | 165490     | 42.947   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114          | 101  | 101990     | 45.125   | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.114          | 96   | 96909      | 45.549   | ug/L   | 96       |
| 13) Acetone                   | 2.185          | 43   | 123532m    | 84.163   | ug/L   |          |
| 14) Carbon disulfide          | 2.291          | 76   | 259080     | 40.357   | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436          | 43   | 141499     | 49.504   | ug/L   | 99       |
| 16) Methylene chloride        | 2.507          | 84   | 131699     | 46.202   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 2.757          | 96   | 113548     | 44.140   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 2.770          | 73   | 388841     | 47.567   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.188          | 63   | 214180     | 46.747   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.912          | 96   | 128500     | 44.881   | ug/L   | 94       |
| 22) 2-Butanone                | 3.979          | 43   | 195763     | 94.884   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.249          | 128  | 70617      | 46.313   | ug/L   | 98       |
| 25) Chloroform                | 4.378          | 83   | 220877     | 45.541   | ug/L   | 100      |

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 ClientSampleId :  
 VSTD050328

Manual Integrations  
 APPROVED

MMDadoda  
 9/7/2021 8:50:09 AM

Quant Time: Sep 03 01:05:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082721WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 03 00:59:14 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.133  | 62   | 157999   | 48.599  | ug/L  | 100      |
| 29) Cyclohexane               | 4.677  | 56   | 175773   | 45.286  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 192637   | 46.681  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 162176   | 45.742  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 473444   | 46.866  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 124044   | 43.349  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.133  | 83   | 181077   | 43.286  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 124557   | 47.565  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.513  | 83   | 157908   | 47.153  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 184820   | 45.714  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 368965   | 103.931 | ug/L  | 99       |
| 42) Toluene                   | 7.391  | 91   | 512709   | 47.024  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 175654   | 46.681  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 126340   | 47.417  | ug/L  | 99       |
| 46) Tetrachloroethene         | 7.976  | 164  | 96807    | 43.509  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.143  | 43   | 285233   | 103.552 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 134092   | 47.016  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 135600   | 47.420  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.882  | 112  | 331814   | 45.264  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.014  | 91   | 538155   | 45.596  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.140  | 106  | 206871   | 45.094  | ug/L  | 99       |
| 54) o-Xylene                  | 9.545  | 106  | 212162   | 46.741  | ug/L  | 98       |
| 55) Styrene                   | 9.561  | 104  | 360850   | 46.583  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 199128   | 51.581  | ug/L  | 98       |
| 59) Bromoform                 | 9.735  | 173  | 92938    | 49.239  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.934  | 105  | 550696   | 49.316  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.275 | 75   | 160133   | 51.991  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.542 | 105  | 452512   | 48.269  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 461862   | 48.471  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 258604   | 45.612  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 257885   | 44.451  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 263143   | 46.743  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 40720    | 54.856  | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 187242   | 44.167  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 160368   | 43.002  | ug/L  | 100      |
| 71) Naphthalene               | 13.503 | 128  | 540116   | 50.347  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.747 | 180  | 169648   | 46.639  | ug/L  | 100      |

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

