

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW052323\  
 Data File : VW031176.D  
 Acq On : 23 May 2023 09:25  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050351

Quant Time: May 24 01:23:51 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051923WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 23 04:42:12 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/25/2023  
 Supervised By :Mahesh Dadoda 05/25/2023

| Compound                      | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|-------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                         |                |      |                     |         |       |          |
| Internal Standards            |                |      |                     |         |       |          |
| 1) 1,4-Difluorobenzene        | 5.538          | 114  | 249082              | 50.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.792          | 117  | 245180              | 50.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191         | 152  | 147051              | 50.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |                |      |                     |         |       |          |
| 4) Vinyl Chloride-d3          | 1.281          | 65   | 108782              | 51.102  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 102.200% |         |       |          |
| 7) Chloroethane-d5            | 1.535          | 69   | 93125               | 56.787  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 113.580% |         |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.063          | 65   | 51969               | 52.062  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 104.120% |         |       |          |
| 21) 2-Butanone-d5             | 3.799          | 46   | 109746              | 96.754  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 96.750%  |         |       |          |
| 24) Chloroform-d              | 4.256          | 84   | 201636              | 53.543  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 107.080% |         |       |          |
| 26) 1,2-Dichloroethane-d4     | 4.947          | 65   | 138440              | 54.403  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 108.800% |         |       |          |
| 32) Benzene-d6                | 4.966          | 84   | 359647              | 54.110  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 108.220% |         |       |          |
| 36) 1,2-Dichloropropane-d6    | 5.995          | 67   | 102612              | 51.597  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 103.200% |         |       |          |
| 41) Toluene-d8                | 7.249          | 98   | 356087              | 57.402  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 114.800% |         |       |          |
| 43) trans-1,3-Dichloroprop... | 7.554          | 79   | 56112               | 56.238  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 112.480% |         |       |          |
| 47) 2-Hexanone-d5             | 8.030          | 63   | 71700               | 92.468  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 92.470%  |         |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 153389              | 51.424  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 102.840% |         |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.567         | 152  | 145954              | 55.233  | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 110.460% |         |       |          |
| Target Compounds              |                |      |                     |         |       |          |
|                               |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108          | 85   | 82632               | 51.387  | ug/L  | 98       |
| 3) Chloromethane              | 1.217          | 50   | 83887               | 47.650  | ug/L  | 97       |
| 5) Vinyl chloride             | 1.288          | 62   | 78183               | 49.721  | ug/L  | 98       |
| 6) Bromomethane               | 1.490          | 94   | 40313               | 45.746  | ug/L  | 99       |
| 8) Chloroethane               | 1.551          | 64   | 55839               | 55.109  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.715          | 101  | 162053              | 52.397  | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.072          | 101  | 87830               | 53.851  | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.072          | 96   | 69641m              | 50.333  | ug/L  |          |
| 13) Acetone                   | 2.127          | 43   | 158190              | 107.275 | ug/L  | 99       |
| 14) Carbon disulfide          | 2.246          | 76   | 128786              | 51.078  | ug/L  | 98       |
| 15) Methyl Acetate            | 2.378          | 43   | 83594               | 49.879  | ug/L  | 98       |
| 16) Methylene chloride        | 2.455          | 84   | 76844               | 49.888  | ug/L  | 94       |
| 17) trans-1,2-Dichloroethene  | 2.699          | 96   | 66836               | 52.247  | ug/L  | 96       |
| 18) Methyl tert-butyl Ether   | 2.709          | 73   | 266976              | 54.025  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.117          | 63   | 150984              | 51.789  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.821          | 96   | 83972               | 53.248  | ug/L  | 99       |
| 22) 2-Butanone                | 3.879          | 43   | 141069              | 99.759  | ug/L  | 100      |
| 23) Bromochloromethane        | 4.153          | 128  | 46829               | 54.038  | ug/L  | 96       |
| 25) Chloroform                | 4.281          | 83   | 174486              | 53.577  | ug/L  | 100      |

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 Sample : VSTDCCC050  
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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD050351

Quant Time: May 24 01:23:51 2023  
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 Quant Title : VOC Analysis  
 QLast Update : Tue May 23 04:42:12 2023  
 Response via : Initial Calibration

Manual Integrations  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.047  | 62   | 153587   | 55.583  | ug/L  | 99       |
| 29) Cyclohexane               | 4.590  | 56   | 99162    | 51.397  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 4.519  | 97   | 159891   | 53.144  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.741  | 117  | 141958   | 54.161  | ug/L  | 99       |
| 33) Benzene                   | 5.018  | 78   | 316638   | 53.907  | ug/L  | 100      |
| 34) Trichloroethene           | 5.837  | 95   | 79635    | 50.598  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.056  | 83   | 111950   | 53.604  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.098  | 63   | 87718    | 54.258  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.436  | 83   | 132714   | 52.956  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 6.960  | 75   | 129207   | 51.829  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 247502   | 99.488  | ug/L  | 99       |
| 42) Toluene                   | 7.320  | 91   | 357397   | 56.238  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 7.587  | 75   | 141858   | 56.249  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 93589    | 53.050  | ug/L  | 97       |
| 46) Tetrachloroethene         | 7.911  | 164  | 74389    | 55.044  | ug/L  | 93       |
| 48) 2-Hexanone                | 8.082  | 43   | 214536   | 103.538 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.181  | 129  | 108116   | 54.317  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 91181    | 51.985  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.818  | 112  | 239378   | 52.922  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.953  | 91   | 393392   | 54.067  | ug/L  | 96       |
| 53) m,p-Xylene                | 9.079  | 106  | 155965   | 55.259  | ug/L  | 96       |
| 54) o-Xylene                  | 9.484  | 106  | 152979   | 54.943  | ug/L  | 98       |
| 55) Styrene                   | 9.500  | 104  | 280322   | 56.926  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.185 | 83   | 150407   | 51.889  | ug/L  | 97       |
| 59) Bromoform                 | 9.670  | 173  | 90266    | 52.939  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.873  | 105  | 426908   | 54.283  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 116080   | 51.312  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 346995   | 53.677  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 347899   | 55.040  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 219662   | 54.511  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 227427   | 54.250  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.586 | 146  | 223876   | 54.753  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 31402    | 45.220  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 162616   | 52.202  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 134165   | 50.608  | ug/L  | 98       |
| 71) Naphthalene               | 13.445 | 128  | 318019   | 46.183  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 136764   | 51.625  | ug/L  | 99       |

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

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTD050351

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