

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052322\  
 Data File : VU048650.D  
 Acq On : 23 May 2022 10:32  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050138

Quant Time: May 24 02:50:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 21 04:37:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.250          | 114  | 215535     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420          | 117  | 210865     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812         | 152  | 131063     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.601          | 65   | 45286      | 34.304   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 68.600%  |       |          |
| 7) Chloroethane-d5            | 1.913          | 69   | 39338      | 39.774   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 79.540%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.572          | 63   | 130534     | 43.722   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 87.440%  |       |          |
| 21) 2-Butanone-d5             | 4.623          | 46   | 127501     | 101.491  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 101.490% |       |          |
| 24) Chloroform-d              | 5.067          | 84   | 171876     | 51.522   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 103.040% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.703          | 65   | 120060     | 51.014   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 102.020% |       |          |
| 32) Benzene-d6                | 5.729          | 84   | 273946     | 46.681   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.360%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.694          | 67   | 81636      | 47.385   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 94.760%  |       |          |
| 41) Toluene-d8                | 7.899          | 98   | 264860     | 47.982   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.960%  |       |          |
| 43) trans-1,3-Dichloroprop... | 8.182          | 79   | 53008      | 48.116   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 96.240%  |       |          |
| 47) 2-Hexanone-d5             | 8.636          | 63   | 96392      | 102.022  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 102.020% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758         | 84   | 141480     | 49.628   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 99.260%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195         | 152  | 127345     | 47.529   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 95.060%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.385          | 85   | 115333     | 49.793   | ug/L  | 97       |
| 3) Chloromethane              | 1.523          | 50   | 59634      | 41.727   | ug/L  | 99       |
| 5) Vinyl chloride             | 1.604          | 62   | 69500      | 45.715   | ug/L  | 98       |
| 6) Bromomethane               | 1.855          | 94   | 54644      | 49.788   | ug/L  | 99       |
| 8) Chloroethane               | 1.932          | 64   | 42135      | 47.087   | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.141          | 101  | 154780     | 52.151   | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581          | 101  | 82240      | 54.341   | ug/L  | 96       |
| 12) 1,1-Dichloroethene        | 2.581          | 96   | 72018      | 51.356   | ug/L  | 97       |
| 13) Acetone                   | 2.630          | 43   | 84487      | 82.779   | ug/L  | 99       |
| 14) Carbon disulfide          | 2.797          | 76   | 191420     | 47.037   | ug/L  | 99       |
| 15) Methyl Acetate            | 2.951          | 43   | 78521      | 45.077   | ug/L  | 98       |
| 16) Methylene chloride        | 3.048          | 84   | 79614      | 48.766   | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 3.356          | 96   | 78026      | 51.588   | ug/L  | 98       |
| 18) Methyl tert-butyl Ether   | 3.366          | 73   | 270067     | 51.465   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.874          | 63   | 142146     | 51.334   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 4.671          | 96   | 87860      | 51.510   | ug/L  | 97       |
| 22) 2-Butanone                | 4.703          | 43   | 116103     | 89.591   | ug/L  | 99       |
| 23) Bromochloromethane        | 4.977          | 128  | 49091      | 51.866   | ug/L  | 93       |
| 25) Chloroform                | 5.092          | 83   | 170448     | 52.735   | ug/L  | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD050138

Quant Time: May 24 02:50:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM051622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 21 04:37:22 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 147362   | 53.148 | ug/L  | 100      |
| 29) Cyclohexane               | 5.391  | 56   | 106945   | 49.378 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 5.318  | 97   | 172999   | 54.184 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.527  | 117  | 157771   | 54.221 | ug/L  | 99       |
| 33) Benzene                   | 5.777  | 78   | 313551   | 50.897 | ug/L  | 100      |
| 34) Trichloroethene           | 6.543  | 95   | 92972    | 53.341 | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 127548   | 50.996 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.793  | 63   | 77115    | 50.061 | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.108  | 83   | 132588   | 53.199 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 136960   | 52.076 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 221914   | 94.402 | ug/L  | 98       |
| 42) Toluene                   | 7.970  | 91   | 357151   | 53.189 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 146870   | 52.953 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 85721    | 51.964 | ug/L  | 97       |
| 46) Tetrachloroethene         | 8.555  | 164  | 79623    | 55.983 | ug/L  | 97       |
| 48) 2-Hexanone                | 8.687  | 43   | 181455   | 90.091 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.813  | 129  | 116268   | 54.822 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 97548    | 51.239 | ug/L  | 97       |
| 51) Chlorobenzene             | 9.449  | 112  | 242954   | 51.878 | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 396036   | 51.611 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.697  | 106  | 160333   | 51.993 | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 155392   | 52.599 | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 273613   | 53.268 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 137361   | 48.180 | ug/L  | 96       |
| 59) Bromoform                 | 10.292 | 173  | 95585    | 53.056 | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 123777   | 47.619 | ug/L  | 96       |
| 61) Isopropylbenzene          | 10.488 | 105  | 421298   | 52.195 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 243138   | 52.985 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 377869   | 52.955 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 212387   | 51.024 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 216537   | 50.131 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 211787   | 50.023 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 46905    | 46.672 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 167677   | 50.540 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 144443   | 48.137 | ug/L  | 100      |
| 71) Naphthalene               | 14.089 | 128  | 421041   | 42.554 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 147463   | 48.947 | ug/L  | 100      |

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

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Quant Title : VOC Analysis  
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