

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU012623\  
 Data File : VU052816.D  
 Acq On : 26 Jan 2023 14:13  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV072

Quant Time: Jan 27 04:28:33 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM012623WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:23:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243   | 114   | 295445   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414   | 117   | 283041   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.806  | 152   | 159688   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 96438    | 45.351   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 90.700%  |
| 7) Chloroethane-d5            | 1.912   | 69    | 79954    | 45.631   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 91.260%  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 196795   | 46.529   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 93.060%  |
| 21) 2-Butanone-d5             | 4.623   | 46    | 127581   | 97.120   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 97.120%  |
| 24) Chloroform-d              | 5.057   | 84    | 210935   | 46.479   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.960%  |
| 26) 1,2-Dichloroethane-d4     | 5.697   | 65    | 135777   | 46.856   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 93.720%  |
| 32) Benzene-d6                | 5.722   | 84    | 413511   | 47.819   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 95.640%  |
| 36) 1,2-Dichloropropane-d6    | 6.684   | 67    | 122700   | 48.380   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.760%  |
| 41) Toluene-d8                | 7.893   | 98    | 384716   | 48.858   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.720%  |
| 43) trans-1,3-Dichloroprop... | 8.173   | 79    | 62673    | 49.304   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 98.600%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 93096    | 104.470  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 104.470% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751  | 84    | 177823   | 47.456   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 94.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.188  | 152   | 151132   | 48.741   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 97.480%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 124937   | 45.161   | ug/L   | 98       |
| 3) Chloromethane              | 1.517   | 50    | 104082   | 45.616   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.604   | 62    | 115457   | 45.740   | ug/L   | 99       |
| 6) Bromomethane               | 1.858   | 94    | 72275    | 45.401   | ug/L   | 98       |
| 8) Chloroethane               | 1.932   | 64    | 72136    | 45.499   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 2.131   | 101   | 190934   | 45.160   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 106283   | 44.599   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 99504    | 45.527   | ug/L   | 95       |
| 13) Acetone                   | 2.636   | 43    | 136499   | 85.079   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.790   | 76    | 301076   | 45.610   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.948   | 43    | 101563   | 46.983   | ug/L   | 97       |
| 16) Methylene chloride        | 3.041   | 84    | 116371   | 44.760   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 3.346   | 96    | 107495   | 45.512   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 3.356   | 73    | 332334   | 47.852   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.864   | 63    | 194318   | 46.911   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.661   | 96    | 119181   | 47.261   | ug/L   | 98       |
| 22) 2-Butanone                | 4.703   | 43    | 161848   | 94.379   | ug/L   | 100      |
| 23) Bromochloromethane        | 4.970   | 128   | 65290    | 46.106   | ug/L   | 99       |
| 25) Chloroform                | 5.083   | 83    | 214766   | 46.185   | ug/L   | 97       |

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV072

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 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 27 04:23:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.787  | 62   | 171039   | 46.461  | ug/L  | 100      |
| 29) Cyclohexane               | 5.385  | 56   | 166072   | 49.514  | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 5.311  | 97   | 194876   | 46.808  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.520  | 117  | 167501   | 46.412  | ug/L  | 98       |
| 33) Benzene                   | 5.767  | 78   | 460208   | 47.765  | ug/L  | 100      |
| 34) Trichloroethene           | 6.536  | 95   | 114313   | 46.680  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.758  | 83   | 187723   | 48.433  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 112155   | 47.348  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.099  | 83   | 161877   | 46.570  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.603  | 75   | 181818   | 49.000  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.790  | 43   | 282248   | 101.139 | ug/L  | 100      |
| 42) Toluene                   | 7.964  | 91   | 486614   | 49.280  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.205  | 75   | 176106   | 48.294  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.394  | 97   | 115072   | 47.505  | ug/L  | 99       |
| 46) Tetrachloroethene         | 8.549  | 164  | 97561    | 46.266  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.687  | 43   | 231956   | 98.250  | ug/L  | 95       |
| 49) Dibromochloromethane      | 8.806  | 129  | 137202   | 47.364  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.918  | 107  | 123824   | 47.496  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.443  | 112  | 317950   | 46.802  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.565  | 91   | 518915   | 49.174  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.690  | 106  | 212568   | 49.758  | ug/L  | 99       |
| 54) o-xylene                  | 10.095 | 106  | 204554   | 50.157  | ug/L  | 97       |
| 55) Styrene                   | 10.111 | 104  | 353976   | 50.580  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.777 | 83   | 189294   | 48.288  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 102892   | 47.020  | ug/L  | 98       |
| 60) 1,2,3-Trichloropropane    | 10.819 | 75   | 149148   | 48.150  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.481 | 105  | 527550   | 51.151  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.082 | 105  | 450178   | 52.423  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.462 | 105  | 445536   | 53.616  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 251837   | 48.398  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.832 | 146  | 256094   | 47.541  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 257040   | 48.838  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 41212    | 46.416  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 187030   | 48.552  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.835 | 180  | 155242   | 48.068  | ug/L  | 98       |
| 71) Naphthalene               | 14.082 | 128  | 459306   | 49.488  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.323 | 180  | 161826   | 47.413  | ug/L  | 100      |

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

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