

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092722\  
 Data File : VU050959.D  
 Acq On : 27 Sep 2022 16:08  
 Operator : JC/MD  
 Sample : N4854-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F5J23

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 09/28/2022  
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 28 02:02:46 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM092022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 28 01:59:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 2535     | 50.000   | ug/L   | # 0.00    |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 3911     | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.819  | 152   | 4431     | 50.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.598   | 65    | 353      | 13.440   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 26.880%#  |
| 7) Chloroethane-d5            | 1.913   | 69    | 237      | 12.670   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 25.340%#  |
| 11) 1,1-Dichloroethene-d2     | 2.565   | 63    | 591      | 14.461   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 28.920%#  |
| 21) 2-Butanone-d5             | 4.668   | 46    | 392m     | 23.118   | ug/L   | 0.05      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 23.120%#  |
| 24) Chloroform-d              | 5.073   | 84    | 968m     | 23.518   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 47.040%#  |
| 26) 1,2-Dichloroethane-d4     | 5.707   | 65    | 1714m    | 67.572   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 135.140%# |
| 32) Benzene-d6                | 5.736   | 84    | 1857m    | 14.415   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 28.840%#  |
| 36) 1,2-Dichloropropane-d6    | 6.691   | 67    | 713      | 16.397   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 32.800%#  |
| 41) Toluene-d8                | 7.903   | 98    | 3347     | 29.723   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 59.440%#  |
| 43) trans-1,3-Dichloroprop... | 8.176   | 79    | 523m     | 27.648   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 55.300%#  |
| 47) 2-Hexanone-d5             | 8.642   | 63    | 720m     | 40.180   | ug/L   | 0.00      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 40.180%#  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 2510     | 37.862   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 75.720%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.192  | 152   | 3843     | 41.423   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 82.840%   |
| Target Compounds              |         |       |          |          |        |           |
|                               |         |       |          |          | Qvalue |           |
| 13) Acetone                   | 2.636   | 43    | 1433     | 99.809   | ug/L   | 89        |
| 20) cis-1,2-Dichloroethene    | 4.668   | 96    | 2738     | 123.625  | ug/L   | 76        |
| 25) Chloroform                | 5.086   | 83    | 1456     | 36.197   | ug/L   | # 71      |
| 34) Trichloroethene           | 6.546   | 95    | 1401     | 41.905   | ug/L   | 79        |
| 38) Bromodichloromethane      | 7.105   | 83    | 1236     | 26.340   | ug/L   | # 75      |
| 46) Tetrachloroethene         | 8.552   | 164   | 226576   | 9430.577 | ug/L   | 99        |
| -----                         |         |       |          |          |        |           |

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

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The chromatogram displays abundance on the y-axis (ranging from 0 to 1,200,000) against time in minutes on the x-axis (ranging from 0.00 to 17.00). The title is 'TIC: VU050959.D\data.ms'. The following table lists the labeled compounds and their approximate retention times:

| Compound                          | Approximate Retention Time (min) |
|-----------------------------------|----------------------------------|
| Vinyl Chloride-d3, S              | 1.5                              |
| Chloroethane-d5, S                | 2.0                              |
| Acetylene-d2, S                   | 2.5                              |
| 1,1,1,2,2-Pentachloroethane-d2, S | 4.8                              |
| Chloroform-T, S                   | 5.2                              |
| 1,1,1,2,2-Pentachloroethane-d4, S | 5.8                              |
| 1,4-Difluorobenzene, I            | 6.2                              |
| Trichloroethene-T                 | 6.5                              |
| 1,1,2-Dichloropropane-d6, S       | 6.8                              |
| Bromodichloromethane, T           | 7.2                              |
| Toluene-d8, S                     | 8.2                              |
| trans-1,3-Dichloropropene-d4, S   | 8.5                              |
| 2-Hexanone-d5, S                  | 8.8                              |
| Chlorobenzene-d5, I               | 9.5                              |
| 1,1,1,2,2-Tetrachloroethane-d2, S | 11.2                             |
| 1,4-Dichlorobenzene-d4, I         | 12.2                             |
| 1,2-Dichlorobenzene-d4, S         | 12.5                             |