

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\  
 Data File : VU025425.D  
 Acq On : 16 Jul 2018 15:33  
 Operator : MD/SY  
 Sample : J3938-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEMG7

Quant Time: Jul 17 09:10:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM071618WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 17 02:25:49 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 340466   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 308361   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 135839   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 83488    | 45.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.20%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 71425    | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.04%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 126148   | 31.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.78%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 185578   | 100.32   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.32% |
| 24) Chloroform-d               | 4.65    | 84    | 194074   | 44.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 136497   | 46.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.10%  |
| 32) Benzene-d6                 | 5.35    | 84    | 371222   | 47.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 122902   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.08%  |
| 41) Toluene-d8                 | 7.57    | 98    | 348628   | 45.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 58706    | 46.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.34%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 142623   | 106.69   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.69% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 180265   | 46.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.70%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 139170   | 49.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.06%  |

## Target Compounds

|                        |      |    |       |       | Ovalue   |
|------------------------|------|----|-------|-------|----------|
| 13) Acetone            | 2.32 | 43 | 83014 | 42.63 | ug/L 98  |
| 15) Methyl Acetate     | 2.62 | 43 | 6627  | 2.29  | ug/L 96  |
| 16) Methylene chloride | 2.70 | 84 | 11423 | 4.42  | ug/L 92  |
| 22) 2-Butanone         | 4.27 | 43 | 67815 | 28.92 | ug/L 100 |

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

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