

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\  
 Data File : VU025426.D  
 Acq On : 16 Jul 2018 15:58  
 Operator : MD/SY  
 Sample : J3938-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEMG8

Quant Time: Jul 17 02:48:03 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  | 348012   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 314992   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 142772   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 85292    | 45.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.16%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 72901    | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.90%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 131056   | 32.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.82%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 197053   | 104.22   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.22% |
| 24) Chloroform-d               | 4.65    | 84    | 200569   | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 141367   | 46.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.32%  |
| 32) Benzene-d6                 | 5.35    | 84    | 380613   | 48.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.34    | 67    | 129695   | 50.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.32% |
| 41) Toluene-d8                 | 7.57    | 98    | 364772   | 46.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.82%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 59498    | 45.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.62%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 148777   | 108.95   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.95% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 189473   | 48.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.42%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 146002   | 48.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.88%  |

| Target Compounds       |      |    |       |           | Ovalue |
|------------------------|------|----|-------|-----------|--------|
| 13) Acetone            | 2.32 | 43 | 18987 | 9.54 ug/L | 96     |
| 15) Methyl Acetate     | 2.62 | 43 | 7439  | 2.51 ug/L | 93     |
| 16) Methylene chloride | 2.70 | 84 | 9477  | 3.59 ug/L | 98     |

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

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