

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072318\  
 Data File : VU025598.D  
 Acq On : 23 Jul 2018 13:38  
 Operator : MD/SY  
 Sample : VLEB#02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB#02

Quant Time: Jul 24 02:15:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 24 02:07:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 345157   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 321918   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 166404   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 68752    | 34.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 69.78%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 61445    | 37.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 75.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 118577   | 28.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.82%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 153963   | 101.21   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.21% |
| 24) Chloroform-d               | 4.65    | 84    | 180057   | 41.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 127535   | 43.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.88%  |
| 32) Benzene-d6                 | 5.34    | 84    | 349667   | 42.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 116127   | 43.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.30%  |
| 41) Toluene-d8                 | 7.57    | 98    | 333951   | 42.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.36%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 59143    | 43.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.04%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 115034   | 103.27   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.27% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 166834   | 44.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.68%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 145371   | 43.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.22%  |

## Target Compounds

|                        |      |    |      |             | Ovalue |
|------------------------|------|----|------|-------------|--------|
| 13) Acetone            | 2.32 | 43 | 8860 | 4.96 ug/L   | 95     |
| 15) Methyl Acetate     | 2.62 | 43 | 3550 | 1.44 ug/L # | 88     |
| 16) Methylene chloride | 2.71 | 84 | 3113 | 1.28 ug/L   | 84     |
| 22) 2-Butanone         | 4.27 | 43 | 4949 | 2.49 ug/L   | 86     |

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

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