

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\  
 Data File : VU023551.D  
 Acq On : 01 May 2018 13:44  
 Operator : MD/SY  
 Sample : VU0501MBL01  
 Misc : 5.00uL/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: May 02 03:23:11 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMULM050118WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 02 03:12:05 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 327214   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 318856   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 154751   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 122208   | 52.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 105.40% |
| 7) Chloroethane-d5             | 1.68    | 69    | 94739    | 53.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 107.18% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 173652   | 38.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.82%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 188866   | 117.87   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.87% |
| 24) Chloroform-d               | 4.65    | 84    | 193112   | 50.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.70% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 144712   | 54.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.50% |
| 32) Benzene-d6                 | 5.35    | 84    | 464858   | 54.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.68% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 155420   | 54.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 108.48% |
| 41) Toluene-d8                 | 7.57    | 98    | 427979   | 54.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.52% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 63781    | 51.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 103.40% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 128591   | 118.17   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 118.17% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 194353   | 52.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.88% |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 168066   | 55.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.34% |

| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

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

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