

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101218\  
 Data File : VU027644.D  
 Acq On : 12 Oct 2018 23:32  
 Operator : MD/SY  
 Sample : J5405-10  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08Y4

Quant Time: Oct 13 06:09:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 13 04:07:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 172396   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 157125   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 56694    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 52934    | 39.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.04%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 43624    | 41.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 75274    | 29.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.16%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 105565   | 96.38    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.38%  |
| 24) Chloroform-d               | 4.65    | 84    | 99939    | 46.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 68931    | 45.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.66%  |
| 32) Benzene-d6                 | 5.34    | 84    | 195589   | 43.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.86%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 69175    | 44.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.70%  |
| 41) Toluene-d8                 | 7.57    | 98    | 154435   | 38.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 76.74%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 28104    | 37.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.62%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 67394    | 86.51    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.51%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 91046    | 45.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.28%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 48846    | 44.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.08%  |

| Target Compounds |      |    |      |           | Qvalue |
|------------------|------|----|------|-----------|--------|
| 13) Acetone      | 2.32 | 43 | 1519 | 1.69 ug/L | 74     |

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

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