

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101218\  
 Data File : VU027627.D  
 Acq On : 12 Oct 2018 16:35  
 Operator : MD/SY  
 Sample : J5403-09  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08Z8

Quant Time: Oct 13 03:42:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM100518WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 13 01:37:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 169789   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 155126   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 61826    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 54540    | 40.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.64% |
| 7) Chloroethane-d5             | 1.68    | 69    | 45357    | 44.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.12% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 79163    | 31.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.16% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 107303   | 99.48    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.48% |
| 24) Chloroform-d               | 4.65    | 84    | 100360   | 46.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.92% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 68640    | 45.83    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.66% |
| 32) Benzene-d6                 | 5.34    | 84    | 200530   | 45.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.22% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 71368    | 46.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.74% |
| 41) Toluene-d8                 | 7.57    | 98    | 163750   | 41.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.42% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 29930    | 40.79    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.58% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 74303    | 96.61    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.61% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 93452    | 46.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.86% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 56587    | 46.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.56% |

| Target Compounds      |      |     |       |            | Qvalue |
|-----------------------|------|-----|-------|------------|--------|
| 13) Acetone           | 2.32 | 43  | 3291  | 3.72 ug/L  | 94     |
| 46) Tetrachloroethene | 8.23 | 164 | 49852 | 54.72 ug/L | 98     |

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

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