

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\  
 Data File : VU026105.D  
 Acq On : 14 Aug 2018 17:06  
 Operator : MD/SY  
 Sample : J4451-14  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZK4

Quant Time: Aug 16 01:34:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 16 01:12:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 258325   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 240018   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 103226   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 77783    | 41.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.38%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 67757    | 45.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.52%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 117598   | 32.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.56%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 155567   | 98.85    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.85%  |
| 24) Chloroform-d               | 4.65    | 84    | 193234   | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 129804   | 47.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.98%  |
| 32) Benzene-d6                 | 5.35    | 84    | 360494   | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 120697   | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.10% |
| 41) Toluene-d8                 | 7.57    | 98    | 320910   | 45.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 57600    | 47.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.82%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 103771   | 94.74    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 170842   | 48.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.88%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 128634   | 50.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.10% |

| Target Compounds           |       |     |      |           | Ovalue |
|----------------------------|-------|-----|------|-----------|--------|
| 13) Acetone                | 2.32  | 43  | 5317 | 5.44 ug/L | 93     |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 3339 | 1.64 ug/L | 97     |

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

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