

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081318\  
 Data File : VU026085.D  
 Acq On : 13 Aug 2018 22:18  
 Operator : MD/SY  
 Sample : J4451-07 10X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZJ9

Quant Time: Aug 14 02:57:21 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 14 02:18:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 272154   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 255573   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 108530   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 81017    | 40.73    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.46% |
| 7) Chloroethane-d5             | 1.67    | 69    | 69520    | 44.08    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.16% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 120738   | 31.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.88% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 139816   | 84.33    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 84.33% |
| 24) Chloroform-d               | 4.65    | 84    | 186271   | 44.16    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.32% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 127789   | 44.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.68% |
| 32) Benzene-d6                 | 5.34    | 84    | 357527   | 45.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.10% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 116580   | 45.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.80% |
| 41) Toluene-d8                 | 7.57    | 98    | 318393   | 41.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.86% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 54674    | 42.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.52% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 95482    | 81.86    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 81.86% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 162725   | 43.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.66% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 124159   | 46.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.82% |

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

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

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