

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\  
 Data File : VU026099.D  
 Acq On : 14 Aug 2018 14:16  
 Operator : MD/SY  
 Sample : J4451-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZJ8

Quant Time: Aug 15 18:45:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 11 00:58:27 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 257868   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 243479   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 102111   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 77574    | 41.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.30%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 69992    | 46.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.68%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 119900   | 33.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.96%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 155457   | 98.96    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.96%  |
| 24) Chloroform-d               | 4.65    | 84    | 193658   | 48.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 131310   | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.26%  |
| 32) Benzene-d6                 | 5.34    | 84    | 371125   | 49.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 123464   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.94% |
| 41) Toluene-d8                 | 7.57    | 98    | 330761   | 45.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.46%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 57919    | 46.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.98%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 106588   | 95.93    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.93%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 174616   | 48.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 130084   | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.36% |

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

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

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