

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\  
 Data File : VU026480.D  
 Acq On : 31 Aug 2018 04:33  
 Operator : MD/SY  
 Sample : J4694-19 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE39

Quant Time: Aug 31 07:04:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 31 05:38:13 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 153413   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 144389   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 62076    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 38293    | 40.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.58%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 35927    | 41.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 83.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 53577    | 25.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.06%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 64523    | 87.46    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.46%  |
| 24) Chloroform-d               | 4.65    | 84    | 74480    | 41.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 52148    | 43.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.26%  |
| 32) Benzene-d6                 | 5.34    | 84    | 149362   | 44.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 52177    | 45.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.28%  |
| 41) Toluene-d8                 | 7.57    | 98    | 135764   | 42.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.52%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 21824    | 41.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.60%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 46734    | 89.13    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.13%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 71706    | 42.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 55171    | 48.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.98%  |

| Target Compounds           |      |     |       |       |      | Ovalue |
|----------------------------|------|-----|-------|-------|------|--------|
| 20) cis-1,2-Dichloroethene | 4.23 | 96  | 12432 | 11.20 | ug/L | 97     |
| 34) Trichloroethene        | 6.19 | 95  | 10389 | 10.01 | ug/L | 95     |
| 46) Tetrachloroethene      | 8.23 | 164 | 4809  | 5.67  | ug/L | 96     |

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

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