

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU112018\  
 Data File : VU028277.D  
 Acq On : 20 Nov 2018 14:47  
 Operator : MD/SY  
 Sample : J5995-06  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FK0

Quant Time: Nov 21 07:05:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 21 06:33:43 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 135520   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 130601   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 57046    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 36909    | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 34968    | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 53394    | 2.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 52.60%# |
| 20) 2-Butanone-d5              | 4.20   | 46    | 166432   | 48.77    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.54%  |
| 24) Chloroform-d               | 4.65   | 84    | 78602    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 45325    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.20%  |
| 32) Benzene-d6                 | 5.34   | 84    | 149593   | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 59450    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 87.20%  |
| 41) Toluene-d8                 | 7.57   | 98    | 120047   | 3.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 71.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 16154    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 114151   | 43.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 46509    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 47480    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 89.40%  |

## Target Compounds

|                              |      |     |       |      |        | Qvalue |
|------------------------------|------|-----|-------|------|--------|--------|
| 13) Acetone                  | 2.33 | 43  | 11045 | 4.71 | ug/L   | 98     |
| 17) Methyl tert-butyl Ether  | 3.01 | 73  | 7513  | 0.30 | ug/L # | 93     |
| 18) trans-1,2-Dichloroethene | 2.98 | 96  | 1368  | 0.15 | ug/L # | 58     |
| 22) cis-1,2-Dichloroethene   | 4.23 | 96  | 43284 | 4.12 | ug/L   | 92     |
| 34) Trichloroethene          | 6.19 | 95  | 67861 | 6.43 | ug/L   | 96     |
| 47) Tetrachloroethene        | 8.22 | 164 | 45606 | 6.23 | ug/L   | 97     |

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

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