

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\  
 Data File : VU026959.D  
 Acq On : 21 Sep 2018 01:35  
 Operator : MD/SY  
 Sample : J5012-16 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08Q5

Quant Time: Sep 21 06:58:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 21 04:24:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 172201   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 152959   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 52551    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 75531    | 59.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 118.58%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 68630    | 62.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 125.88%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 100331   | 41.63    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.26%   |
| 21) 2-Butanone-d5              | 4.18    | 46    | 127975   | 151.39   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 151.39%# |
| 24) Chloroform-d               | 4.65    | 84    | 141227   | 59.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 119.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 94214    | 63.32    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 126.64%# |
| 32) Benzene-d6                 | 5.34    | 84    | 274376   | 64.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 128.02%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 93253    | 67.52    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 135.04%# |
| 41) Toluene-d8                 | 7.57    | 98    | 214802   | 55.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.94%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 37144    | 60.23    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 120.46%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 88223    | 162.52   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 162.52%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 135315   | 70.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 140.52%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 83252    | 76.15    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 152.30%# |

## Target Compounds

|                         |       |     |      |            | Ovalue |
|-------------------------|-------|-----|------|------------|--------|
| 51) Chlorobenzene       | 9.12  | 112 | 2547 | 0.782 ug/L | 99     |
| 63) 1,4-Dichlorobenzene | 11.51 | 146 | 2309 | 1.309 ug/L | 96     |
| 65) 1,2-Dichlorobenzene | 11.88 | 146 | 2454 | 1.383 ug/L | 94     |

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

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