

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031619\  
 Data File : VU030115.D  
 Acq On : 15 Mar 2019 16:58  
 Operator : JC/SP  
 Sample : K1917-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C09B3

Quant Time: Mar 16 01:09:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 16 00:52:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 526030   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 502873   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 241056   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 129681   | 37.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.54%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 112674   | 40.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 80.24%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 186602   | 29.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.42%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 246754   | 94.65    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.65%  |
| 24) Chloroform-d               | 4.65    | 84    | 279900   | 44.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 167533   | 46.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.92%  |
| 32) Benzene-d6                 | 5.34    | 84    | 582499   | 45.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 185840   | 46.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.82%  |
| 41) Toluene-d8                 | 7.56    | 98    | 524930   | 43.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.62%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 76439    | 39.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.66%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 201096   | 90.72    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 285601   | 46.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 225271   | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.48%  |

## Target Compounds

|                            |       |     |        |             | Ovalue |
|----------------------------|-------|-----|--------|-------------|--------|
| 13) Acetone                | 2.32  | 43  | 7830   | 2.569 ug/L  | 99     |
| 51) Chlorobenzene          | 9.12  | 112 | 78060  | 7.401 ug/L  | 98     |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146 | 23701  | 3.045 ug/L  | 97     |
| 63) 1,4-Dichlorobenzene    | 11.50 | 146 | 256467 | 32.399 ug/L | 100    |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146 | 178555 | 22.787 ug/L | 99     |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 196529 | 35.558 ug/L | 98     |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 49903  | 8.691 ug/L  | 98     |

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

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