

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041319\  
 Data File : VU031180.D  
 Acq On : 14 Apr 2019 00:49  
 Operator : JC/SP  
 Sample : K2339-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFC51

Quant Time: Apr 15 12:18:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 14 02:24:32 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 480800   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 473538   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 181918   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 193464   | 45.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.16%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 150525   | 46.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 252887   | 32.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.16%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 327390   | 96.24    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.24%  |
| 24) Chloroform-d               | 4.64    | 84    | 335136   | 51.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.24% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 224229   | 50.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.24% |
| 32) Benzene-d6                 | 5.33    | 84    | 664997   | 48.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 225323   | 47.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.12%  |
| 41) Toluene-d8                 | 7.56    | 98    | 559947   | 45.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 94488    | 43.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.48%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 193253   | 89.25    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.25%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 313671   | 49.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.16%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 197084   | 55.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.18% |

## Target Compounds

|                             |      |    |       |              | Ovalue |
|-----------------------------|------|----|-------|--------------|--------|
| 13) Acetone                 | 2.32 | 43 | 42914 | 12.329 ug/L  | 99     |
| 16) Methylene chloride      | 2.70 | 84 | 6696  | 1.658 ug/L   | 96     |
| 18) Methyl tert-butyl Ether | 2.99 | 73 | 12695 | 1.074 ug/L # | 90     |
| 22) 2-Butanone              | 4.27 | 43 | 12330 | 3.021 ug/L # | 64     |

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

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