

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\  
 Data File : VU030368.D  
 Acq On : 24 Mar 2019 14:15  
 Operator : JC/SP  
 Sample : K2016-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0979

Quant Time: Mar 25 04:16:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 25 03:20:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 392798   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 379401   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 155248   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 137797   | 43.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.18%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 116759   | 46.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 201654   | 33.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.26%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 278956   | 93.87    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.87%  |
| 24) Chloroform-d               | 4.65    | 84    | 256641   | 47.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 172740   | 48.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.94%  |
| 32) Benzene-d6                 | 5.34    | 84    | 527314   | 48.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.94%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 187783   | 50.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.88% |
| 41) Toluene-d8                 | 7.56    | 98    | 462565   | 47.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.68%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 73958    | 42.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.50%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 186449   | 92.43    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.43%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 249746   | 46.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 158557   | 50.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.94% |

## Target Compounds

|                            |       |     |        |              | Ovalue |
|----------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                | 2.32  | 43  | 5628   | 1.873 ug/L   | 95     |
| 33) Benzene                | 5.39  | 78  | 985623 | 76.315 ug/L  | 100    |
| 51) Chlorobenzene          | 9.12  | 112 | 843707 | 103.860 ug/L | 99     |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146 | 15882  | 3.128 ug/L   | 94     |
| 63) 1,4-Dichlorobenzene    | 11.50 | 146 | 168502 | 32.239 ug/L  | 98     |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146 | 151819 | 29.573 ug/L  | 100    |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 6224   | 1.885 ug/L # | 92     |

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

