

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
 Data File : VU032798.D  
 Acq On : 17 Jun 2019 21:16  
 Operator : JC/SP  
 Sample : K3324-13  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0JR9

Quant Time: Jun 18 04:59:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 18 02:39:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 225974   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 223561   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 111689   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 60666    | 39.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.56%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 54099    | 43.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.84%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 95758    | 30.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.56%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 146483   | 113.96   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 113.96% |
| 24) Chloroform-d               | 4.64    | 84    | 134029   | 44.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 93286    | 46.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.30%  |
| 32) Benzene-d6                 | 5.33    | 84    | 259216   | 44.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.96%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 86711    | 46.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.42%  |
| 41) Toluene-d8                 | 7.56    | 98    | 236505   | 43.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.66%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 40881    | 42.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.66%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 106833   | 123.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 123.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 133823   | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 101494   | 46.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.92%  |

| Target Compounds       |      |    |       |              | Ovalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 2.32 | 43 | 15004 | 8.451 ug/L   | 96     |
| 15) Methyl Acetate     | 2.62 | 43 | 2538  | 1.261 ug/L # | 79     |
| 16) Methylene chloride | 2.69 | 84 | 2380  | 1.425 ug/L   | 80     |

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

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