

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU080919\  
 Data File : VU033713.D  
 Acq On : 10 Aug 2019 03:08  
 Operator : JC/SP  
 Sample : K4289-07  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F2B20

Quant Time: Aug 12 03:33:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 10 04:26:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 335521   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 326795   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 158847   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 115411   | 46.73    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.46%   |
| 7) Chloroethane-d5             | 1.67    | 69    | 117679   | 47.54    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.08%   |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 161010   | 38.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.54%   |
| 21) 2-Butanone-d5              | 4.16    | 46    | 238182   | 155.56   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 155.56%# |
| 24) Chloroform-d               | 4.62    | 84    | 228540   | 62.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 124.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 152733   | 66.57    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 133.14%# |
| 32) Benzene-d6                 | 5.32    | 84    | 461845   | 59.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 119.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 152934   | 64.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 129.24%# |
| 41) Toluene-d8                 | 7.55    | 98    | 406433   | 56.03    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 112.06%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 70798    | 59.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 118.48%  |
| 47) 2-Hexanone-d5              | 8.30    | 63    | 179625   | 146.52   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 146.52%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 238345   | 68.08    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 136.16%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 174879   | 65.41    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 130.82%# |

| Target Compounds           | R.T. | QIon | Response | Conc  | Units | Qvalue |
|----------------------------|------|------|----------|-------|-------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96   | 7203     | 2.986 | ug/L  | 95     |

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

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