

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\  
 Data File : VU033921.D  
 Acq On : 22 Aug 2019 23:50  
 Operator : JC/SP  
 Sample : K4485-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F2B12

Quant Time: Aug 23 04:55:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 23 02:53:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 550186   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 557614   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 231799   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 219776   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.10%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 187692   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.08%  |
| 11) 1,1-Dichloroethene-d2      | 2.25    | 63    | 322052   | 37.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.00%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 339710   | 104.63   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.63% |
| 24) Chloroform-d               | 4.62    | 84    | 382610   | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.42%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 266863   | 52.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.14% |
| 32) Benzene-d6                 | 5.31    | 84    | 799235   | 50.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.92% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 266306   | 51.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.62% |
| 41) Toluene-d8                 | 7.55    | 98    | 689914   | 48.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.40%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 114404   | 48.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.46%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 231620   | 108.36   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 108.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 364573   | 49.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 254961   | 53.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.80% |

| Target Compounds           |      |    |      |            | Ovalue |
|----------------------------|------|----|------|------------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 6940 | 1.582 ug/L | 87     |

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

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