

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091719\  
 Data File : VU034611.D  
 Acq On : 17 Sep 2019 13:28  
 Operator : JC/SP  
 Sample : K4838-18  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COMMO

Manual Integrations  
 APPROVED

MMDadoda  
 9/18/2019 3:16:09 PM

Quant Time: Sep 18 05:29:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 18 04:30:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 236853   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 217763   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 86374    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 50894    | 44.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.08%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 45872    | 52.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 89586m   | 38.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.64%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 150817   | 117.05   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.05% |
| 24) Chloroform-d               | 4.62    | 84    | 138174   | 53.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.52% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 89775    | 56.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.42% |
| 32) Benzene-d6                 | 5.32    | 84    | 253748   | 52.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.98% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 98888    | 55.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.96% |
| 41) Toluene-d8                 | 7.54    | 98    | 238725   | 51.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.70% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 44554    | 52.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 104.80% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 101107   | 104.57   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 104.57% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 146030   | 52.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.86% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 83271    | 54.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.08% |

| Target Compounds           |      |    |       |            | Ovalue |
|----------------------------|------|----|-------|------------|--------|
| 13) Acetone                | 2.31 | 43 | 2740  | 2.366 ug/L | 89     |
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 4156m | 2.664 ug/L |        |

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

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