

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\  
 Data File : VU032993.D  
 Acq On : 24 Jun 2019 09:46  
 Operator : JC/SP  
 Sample : K3478-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETF12

Quant Time: Jun 25 09:49:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 25 05:22:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 198128   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 193285   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 94991    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 42385    | 31.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 62.60%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 40721    | 37.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 75.42%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 72379    | 26.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 53.06%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 120834   | 107.22   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.22% |
| 24) Chloroform-d               | 4.64    | 84    | 118836   | 45.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 84317    | 48.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.18%  |
| 32) Benzene-d6                 | 5.33    | 84    | 214820   | 42.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.28%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 74953    | 46.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.40%  |
| 41) Toluene-d8                 | 7.56    | 98    | 192044   | 40.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.40%  |
| 43) trans-1,3-Dichloropropene- | 7.84    | 79    | 36740    | 44.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.00%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 73110    | 97.55    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 97.55%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 119649   | 48.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 85320    | 46.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.84%  |

## Target Compounds

|                              |      |    |       |             | Ovalue |
|------------------------------|------|----|-------|-------------|--------|
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 896   | 0.662 ug/L  | 91     |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96 | 69857 | 47.395 ug/L | 97     |
| 34) Trichloroethene          | 6.18 | 95 | 51348 | 34.515 ug/L | 99     |
| 42) Toluene                  | 7.64 | 91 | 3190  | 0.530 ug/L  | 88     |

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

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