

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062419\  
 Data File : VU033028.D  
 Acq On : 25 Jun 2019 00:03  
 Operator : JC/SP  
 Sample : K3478-09DL 5X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETF23DL

Quant Time: Jun 25 07:51:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 25 06:54:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 191733   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 185643   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 89456    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 61637    | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.08%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 52963    | 50.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 101.36% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 97513    | 36.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.88%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 121591   | 111.49   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.49% |
| 24) Chloroform-d               | 4.64    | 84    | 130139   | 51.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.18% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 91699    | 54.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.08% |
| 32) Benzene-d6                 | 5.33    | 84    | 255567   | 52.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.62% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 82067    | 53.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.46% |
| 41) Toluene-d8                 | 7.56    | 98    | 225675   | 49.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 38625    | 48.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.34%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 70792    | 98.34    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.34%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 118520   | 49.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.46%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 89679    | 51.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.60% |

## Target Compounds

|                            |      |    |       |             | Ovalue |
|----------------------------|------|----|-------|-------------|--------|
| 5) Vinyl chloride          | 1.40 | 62 | 9249  | 5.312 ug/L  | 83     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 70184 | 49.205 ug/L | 99     |
| 34) Trichloroethene        | 6.18 | 95 | 7148  | 5.003 ug/L  | 99     |

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

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