

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101919\  
 Data File : VU035312.D  
 Acq On : 19 Oct 2019 12:41  
 Operator : JC/SP  
 Sample : K5344-08  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF6L5

Quant Time: Oct 21 06:13:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM101919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 21 05:38:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 681347   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 657725   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 285363   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62    | 65    | 281288   | 47.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.98%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 241010   | 49.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 360699   | 37.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 74.58%  |
| 21) 2-Butanone-d5              | 4.70    | 46    | 383409   | 98.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.68%  |
| 24) Chloroform-d               | 5.11    | 84    | 441994   | 46.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 300645   | 48.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.84%  |
| 32) Benzene-d6                 | 5.77    | 84    | 943407   | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.74    | 67    | 303030   | 49.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.98%  |
| 41) Toluene-d8                 | 7.93    | 98    | 869612   | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.08%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 147695   | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.08%  |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 272337   | 101.12   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 417672   | 46.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 311230   | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.08%  |

## Target Compounds

|                         |       |     |        |             | Qvalue |
|-------------------------|-------|-----|--------|-------------|--------|
| 13) Acetone             | 2.67  | 43  | 76922  | 22.207 ug/L | 99     |
| 16) Methylene chloride  | 3.09  | 84  | 102867 | 20.767 ug/L | 99     |
| 22) 2-Butanone          | 4.78  | 43  | 23996  | 5.725 ug/L  | 92     |
| 52) Ethylbenzene        | 9.60  | 91  | 128935 | 5.683 ug/L  | 100    |
| 53) m,p-Xylene          | 9.72  | 106 | 130225 | 15.571 ug/L | 100    |
| 54) o-xylene            | 10.13 | 106 | 136967 | 16.511 ug/L | 99     |
| 56) Isopropylbenzene    | 10.51 | 105 | 47079  | 2.192 ug/L  | 98     |
| 65) 1,2-Dichlorobenzene | 12.24 | 146 | 45436  | 4.909 ug/L  | 95     |

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

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