

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
 Data File : VU036621.D  
 Acq On : 30 Jan 2020 16:01  
 Operator : JC/MD  
 Sample : L1322-07  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XS3

Quant Time: Jan 30 16:35:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jan 30 12:57:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 302286   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 279521   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 125886   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 90753    | 40.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.16%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 82862    | 42.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 119516   | 32.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.30%  |
| 21) 2-Butanone-d5              | 4.68    | 46    | 143285   | 106.62   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.62% |
| 24) Chloroform-d               | 5.11    | 84    | 158966   | 42.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 103875   | 44.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.90%  |
| 32) Benzene-d6                 | 5.77    | 84    | 365319   | 46.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.92%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 117757   | 48.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.12%  |
| 41) Toluene-d8                 | 7.93    | 98    | 347020   | 45.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.74%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 55275    | 47.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.86%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 127843   | 112.52   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 171594   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 128369   | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.04%  |

## Target Compounds

| Target Compounds          | R.T. | QIon | Response | Conc   | Units | Ovalue |
|---------------------------|------|------|----------|--------|-------|--------|
| 9) Trichlorofluoromethane | 2.16 | 101  | 41471    | 13.492 | ug/L  | 100    |
| 25) Chloroform            | 5.13 | 83   | 8061     | 2.184  | ug/L  | 99     |
| 34) Trichloroethene       | 6.58 | 95   | 5032     | 2.339  | ug/L  | 87     |
| 46) Tetrachloroethene     | 8.58 | 164  | 98819    | 56.549 | ug/L  | 98     |

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

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