

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU122018\  
 Data File : VU028850.D  
 Acq On : 21 Dec 2018 01:32  
 Operator : MD/SY  
 Sample : J6513-06  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F57

Quant Time: Dec 21 07:31:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 21 05:57:29 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 242533   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 223973   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 97399    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 74426    | 38.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.56%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 61365    | 40.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 98075    | 29.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.98%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 130185   | 95.57    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.57%  |
| 24) Chloroform-d               | 4.65    | 84    | 131976   | 43.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 84242    | 44.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.40%  |
| 32) Benzene-d6                 | 5.34    | 84    | 286126   | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.44%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 99800    | 46.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.86%  |
| 41) Toluene-d8                 | 7.57    | 98    | 257974   | 44.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.98%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 43667    | 45.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.68%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 107874   | 105.66   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.66% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 138848   | 46.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.12%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 93612    | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.04%  |

| Target Compounds |      |     |       |            | Qvalue |
|------------------|------|-----|-------|------------|--------|
| 29) Cyclohexane  | 4.99 | 56  | 14814 | 4.970 ug/L | 99     |
| 33) Benzene      | 5.39 | 78  | 3976  | 0.558 ug/L | 100    |
| 52) Ethylbenzene | 9.25 | 91  | 3818  | 0.492 ug/L | 88     |
| 53) m,p-Xylene   | 9.38 | 106 | 3168  | 1.103 ug/L | 85     |

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

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