

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU111718\  
 Data File : VU028239.D  
 Acq On : 17 Nov 2018 21:04  
 Operator : MD/SY  
 Sample : J5986-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FG7

Quant Time: Nov 19 03:57:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Nov 19 03:08:19 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 152105   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 150737   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 68233    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 60507    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 105.80% |
| 7) Chloroethane-d5             | 1.68   | 69    | 47459    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 85945    | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 75.40%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 200939   | 52.46    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.92% |
| 24) Chloroform-d               | 4.65   | 84    | 94724    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 58795    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 32) Benzene-d6                 | 5.34   | 84    | 198035   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 73289    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.00%  |
| 41) Toluene-d8                 | 7.57   | 98    | 175293   | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 20748    | 4.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 150519   | 49.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 51665    | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 59506    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.80%  |

## Target Compounds

|                              |      |     |         |       |      | Qvalue |
|------------------------------|------|-----|---------|-------|------|--------|
| 5) Vinyl chloride            | 1.40 | 62  | 158982  | 10.30 | ug/L | 99     |
| 17) Methyl tert-butyl Ether  | 3.01 | 73  | 541853  | 19.26 | ug/L | 99     |
| 18) trans-1,2-Dichloroethene | 2.98 | 96  | 35426   | 3.55  | ug/L | 92     |
| 19) 1,1-Dichloroethane       | 3.45 | 63  | 23292   | 1.01  | ug/L | 99     |
| 22) cis-1,2-Dichloroethene   | 4.23 | 96  | 999238  | 84.75 | ug/L | 98     |
| 33) Benzene                  | 5.39 | 78  | 15689   | 0.32  | ug/L | 100    |
| 34) Trichloroethene          | 6.19 | 95  | 1036783 | 85.15 | ug/L | 98     |
| 47) Tetrachloroethene        | 8.23 | 164 | 9944    | 1.18  | ug/L | 97     |

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

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