

Data File : VU028251.D  
Acq On : 19 Nov 2018 13:40  
Operator : MD/SY  
Sample : J5986-13  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Nov 20 07:44:04 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Nov 20 07:07:24 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 126196   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 121051   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 52171    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 42840    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 38465    | 4.69     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 93.80% |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 65200    | 3.45     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.00% |
| 20) 2-Butanone-d5              | 4.22   | 46    | 130536m  | 41.08    | ug/L | 0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 82.16% |
| 24) Chloroform-d               | 4.65   | 84    | 79107    | 4.46     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.20% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 44566    | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 159888   | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 57901    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.60% |
| 41) Toluene-d8                 | 7.57   | 98    | 138209   | 4.43     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.60% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 15007    | 3.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.20% |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 75926    | 31.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 62.64% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 41183    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 90.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 46339    | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.60% |

#### Target Compounds

|                              |      |    |       |        |        | Qvalue |
|------------------------------|------|----|-------|--------|--------|--------|
| 5) Vinyl chloride            | 1.40 | 62 | 58657 | 4.580  | ug/L   | 95     |
| 17) Methyl tert-butyl Ether  | 3.01 | 73 | 29157 | 1.249  | ug/L # | 88     |
| 18) trans-1,2-Dichloroethene | 2.98 | 96 | 83583 | 10.100 | ug/L   | 98     |
| 19) 1,1-Dichloroethane       | 3.45 | 63 | 29420 | 1.533  | ug/L   | 96     |
| 22) cis-1,2-Dichloroethene   | 4.23 | 96 | 21363 | 2.184  | ug/L   | 98     |
| 33) Benzene                  | 5.39 | 78 | 21643 | 0.542  | ug/L   | 100    |

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

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