

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092118\  
 Data File : VU026933.D  
 Acq On : 20 Sep 2018 13:06  
 Operator : MD/SY  
 Sample : J4893-03  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08K2

Quant Time: Sep 27 05:20:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 21 04:24:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 343428   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 338628   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 183526   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 99329    | 39.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.20%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 84044    | 38.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 77.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 142182   | 29.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.16%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 133059   | 78.93    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.93%  |
| 24) Chloroform-d               | 4.65    | 84    | 168371   | 35.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 71.46%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 109573   | 36.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 73.86%  |
| 32) Benzene-d6                 | 5.34    | 84    | 352580   | 37.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 74.30%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 114345   | 37.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 74.80%  |
| 41) Toluene-d8                 | 7.57    | 98    | 310349   | 36.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 72.40%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 48492    | 35.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.04%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 94339    | 78.50    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 150440   | 35.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 70.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87   | 152   | 150069   | 39.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 78.62%# |

## Target Compounds

|                            |       |     |          |               | Qvalue |
|----------------------------|-------|-----|----------|---------------|--------|
| 51) Chlorobenzene          | 9.12  | 112 | 5136146  | 712.457 ug/L  | 99     |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146 | 313199   | 55.981 ug/L   | 99     |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146 | 1377887  | 223.664 ug/L  | 99     |
| 65) 1,2-Dichlorobenzene    | 11.89 | 146 | 12798834 | 2066.047 ug/L | 97     |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 2039573  | 546.685 ug/L  | 100    |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 329918   | 80.303 ug/L   | 99     |

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

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