

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091818\  
 Data File : VU026861.D  
 Acq On : 18 Sep 2018 14:51  
 Operator : MD/SY  
 Sample : J4896-11 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08M4

Quant Time: Sep 19 07:13:40 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Sep 19 05:05:35 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 231059   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 221023   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 90178    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 76052    | 44.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.98%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 69312    | 47.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.76%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 112298   | 34.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.44%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 131860   | 116.25   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 116.25% |
| 24) Chloroform-d               | 4.65    | 84    | 154520   | 48.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 102695   | 51.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.88% |
| 32) Benzene-d6                 | 5.34    | 84    | 314551   | 50.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.56% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 104296   | 52.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.52% |
| 41) Toluene-d8                 | 7.57    | 98    | 264019   | 47.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.36%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 42649    | 47.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.72%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 91337    | 116.44   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 116.44% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 142309   | 51.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.28% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 104574   | 55.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.48% |

## Target Compounds

|                            |       |     |       |        | Ovalue   |
|----------------------------|-------|-----|-------|--------|----------|
| 33) Benzene                | 5.39  | 78  | 4005  | 0.584  | ug/L 100 |
| 51) Chlorobenzene          | 9.12  | 112 | 50595 | 10.753 | ug/L 99  |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146 | 6252  | 2.274  | ug/L 96  |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146 | 27767 | 9.173  | ug/L 98  |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146 | 12684 | 4.167  | ug/L 97  |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 3486  | 1.902  | ug/L 94  |

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

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