

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\  
 Data File : VU026049.D  
 Acq On : 10 Aug 2018 17:32  
 Operator : MD/SY  
 Sample : J4401-11DL 20X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A4ZF1DL

Quant Time: Aug 11 02:16:51 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 11 00:58:27 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 288117   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 268951   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 126087   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 77377    | 36.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.48%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 59942    | 35.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 71.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 116291   | 29.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.12%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 102253   | 58.26    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 58.26%  |
| 24) Chloroform-d               | 4.65    | 84    | 145787   | 32.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 65.28%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 95747    | 31.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 63.48%# |
| 32) Benzene-d6                 | 5.34    | 84    | 291831   | 34.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 69.88%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 91081    | 33.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 67.40%# |
| 41) Toluene-d8                 | 7.57    | 98    | 260585   | 32.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 65.22%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 42955    | 31.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.10%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 69974    | 57.01    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 57.01%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 120201   | 30.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 60.84%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 102740   | 33.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 66.10%# |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 13) Acetone                | 2.32  | 43   | 23613    | 21.66  | ug/L  | 96     |
| 22) 2-Butanone             | 4.28  | 43   | 3627     | 2.30   | ug/L  | 79     |
| 51) Chlorobenzene          | 9.12  | 112  | 202999   | 37.03  | ug/L  | 99     |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146  | 35412    | 9.02   | ug/L  | 89     |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146  | 170001   | 41.31  | ug/L  | 97     |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146  | 196567   | 47.05  | ug/L  | 98     |
| 68) 1,2,4-trichlorobenzene | 13.51 | 180  | 266219   | 107.31 | ug/L  | 99     |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180  | 59934    | 22.48  | ug/L  | 100    |

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

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