

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083018\  
 Data File : VU026463.D  
 Acq On : 30 Aug 2018 21:59  
 Operator : MD/SY  
 Sample : J4691-01DL 20X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEDZ8DL

Quant Time: Aug 31 05:51:27 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 31 05:38:13 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 153408   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 143790   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 61450    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 42007    | 44.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 88.40%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 39086    | 45.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.06%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 60029    | 28.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.08%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 67815    | 91.93    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.93%  |
| 24) Chloroform-d               | 4.65    | 84    | 77992    | 43.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.88%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 53031    | 44.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.74%  |
| 32) Benzene-d6                 | 5.34    | 84    | 155958   | 47.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.12%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 53386    | 46.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.78%  |
| 41) Toluene-d8                 | 7.57    | 98    | 139852   | 43.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.42%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 21193    | 40.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 81.52%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 50284    | 96.30    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.30%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 74385    | 44.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 88.70%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 55909    | 50.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.30% |

| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.23 | 164 | 84580 | 100.05 ug/L | 97     |

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

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