

Data File : VU025859.D  
Acq On : 04 Aug 2018 07:13  
Operator : MD/SY  
Sample : J4261-12ME  
Misc : 5.77g/5.0mL/100uL/5.00mL//MSVOA\_U/MEOH  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Aug 06 00:51:58 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM072018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 04 04:39:04 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 331171   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 319235   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 170449   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 54928    | 29.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 58.10%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 34251    | 21.96    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 43.92%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 89657m   | 22.78    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 45.56%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 101488   | 69.53    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 69.53%  |
| 24) Chloroform-d               | 4.65    | 84    | 127471   | 30.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 60.54%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 92065    | 33.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 66.12%# |
| 32) Benzene-d6                 | 5.34    | 84    | 256056   | 31.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 62.54%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 82227    | 31.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 62.34%# |
| 41) Toluene-d8                 | 7.57    | 98    | 237168   | 30.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 60.42%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 37272    | 27.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.32%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 74723    | 67.65    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 67.65%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 121558   | 32.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 65.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 110566   | 32.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 64.02%# |

| Target Compounds           |      |    |        |        |      | Qvalue |
|----------------------------|------|----|--------|--------|------|--------|
| 5) Vinyl chloride          | 1.40 | 62 | 20875  | 8.077  | ug/L | 92     |
| 20) cis-1,2-Dichloroethene | 4.22 | 96 | 194233 | 79.966 | ug/L | 98     |

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

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