

Data File : VU030816.D  
Acq On : 06 Apr 2019 21:17  
Operator : JC/SP  
Sample : K2277-07ME  
Misc : 5.52g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 08 07:03:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 05:01:06 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 434845   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 439841   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 200854   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 101768   | 26.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 52.44%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 74596m   | 25.32    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 50.64%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 159415   | 22.71    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 45.42%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 187031   | 60.79    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 60.79%  |
| 24) Chloroform-d               | 4.64    | 84    | 171459   | 28.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.84%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 131614   | 32.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 65.06%# |
| 32) Benzene-d6                 | 5.33    | 84    | 374958   | 29.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 58.40%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 129066   | 29.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 58.66%# |
| 41) Toluene-d8                 | 7.56    | 98    | 311399   | 27.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 54.72%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 55512    | 27.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.34%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 133624   | 66.44    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 66.44%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 188695   | 31.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 63.58%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 122659   | 31.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 62.10%# |

| Target Compounds           |      |     |        |         |      | Qvalue |
|----------------------------|------|-----|--------|---------|------|--------|
| 20) cis-1,2-Dichloroethene | 4.21 | 96  | 60971  | 17.301  | ug/L | 91     |
| 34) Trichloroethene        | 6.18 | 95  | 57758  | 16.361  | ug/L | 97     |
| 46) Tetrachloroethene      | 8.22 | 164 | 704130 | 274.343 | ug/L | 98     |

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

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