

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\  
 Data File : VU031086.D  
 Acq On : 11 Apr 2019 21:57  
 Operator : JC/SP  
 Sample : K2340-18ME  
 Misc : 5.49g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 77 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF2T0ME

Manual Integrations  
 APPROVED

MMDadoda  
 4/12/2019 5:45:44 PM

Quant Time: Apr 12 07:06:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 04:43:47 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 462802   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 466260   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 218573   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 147538   | 35.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 71.42%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 127437m  | 40.64    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 81.28%  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 234569   | 31.39    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.78%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 342644   | 104.65   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.65% |
| 24) Chloroform-d               | 4.64    | 84    | 299607   | 47.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 221249   | 51.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.76% |
| 32) Benzene-d6                 | 5.33    | 84    | 611686   | 44.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 218123   | 46.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.52%  |
| 41) Toluene-d8                 | 7.56    | 98    | 511693   | 42.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.82%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 96012    | 45.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.28%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 237881   | 111.58   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 111.58% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 345094   | 54.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 109.70% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 221133   | 51.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.88% |

| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 27958 | 10.276 ug/L | 97     |

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

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