

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032219\  
 Data File : VU030320.D  
 Acq On : 22 Mar 2019 19:51  
 Operator : JC/SP  
 Sample : K1988-14ME  
 Misc : 6.09g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0C5ME

Quant Time: Mar 23 05:29:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 04:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 541932   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 548787   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 280274   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 128168   | 34.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 69.96%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 62233    | 21.24    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 42.48%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 188975   | 28.27    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.54%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 254150   | 93.49    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.49%  |
| 24) Chloroform-d               | 4.64    | 84    | 274184   | 40.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 167862   | 43.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.52%  |
| 32) Benzene-d6                 | 5.33    | 84    | 586146   | 40.53    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 189374   | 42.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.64%  |
| 41) Toluene-d8                 | 7.56    | 98    | 525104   | 38.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 77.24%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 84848    | 38.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.88%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 224910   | 96.93    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.93%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 328685   | 47.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.78%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 245656   | 43.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.32%  |

| Target Compounds    |      |    |       |             | Ovalue |
|---------------------|------|----|-------|-------------|--------|
| 34) Trichloroethene | 6.18 | 95 | 72465 | 17.364 ug/L | 99     |

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

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