

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU013020\  
 Data File : VU036633.D  
 Acq On : 30 Jan 2020 21:14  
 Operator : JC/MD  
 Sample : L1303-07ME  
 Misc : 4.44g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AF2ME

Quant Time: Jan 31 05:38:10 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM012920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 31 04:01:38 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 292397   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 271759   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 135944   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 80740    | 36.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.74%  |
| 7) Chloroethane-d5             | 1.89    | 69    | 17698    | 9.42     | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 18.84%# |
| 11) 1,1-Dichloroethene-d2      | 2.55    | 63    | 104497   | 29.51    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.02%# |
| 21) 2-Butanone-d5              | 4.69    | 46    | 78967    | 60.75    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 60.75%  |
| 24) Chloroform-d               | 5.11    | 84    | 149442   | 41.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 98513    | 44.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.14%  |
| 32) Benzene-d6                 | 5.76    | 84    | 342500   | 44.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 111816   | 46.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.88%  |
| 41) Toluene-d8                 | 7.93    | 98    | 327654   | 44.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.10%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 51606    | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.10%  |
| 47) 2-Hexanone-d5              | 8.68    | 63    | 117931   | 106.76   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 167235   | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 128081   | 43.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.82%  |

## Target Compounds

|                            |      |     |         |          | Ovalue  |
|----------------------------|------|-----|---------|----------|---------|
| 13) Acetone                | 2.69 | 43  | 2596    | 2.063    | ug/L 98 |
| 20) cis-1,2-Dichloroethene | 4.71 | 96  | 3359    | 1.514    | ug/L 72 |
| 34) Trichloroethene        | 6.57 | 95  | 5572    | 2.664    | ug/L 93 |
| 46) Tetrachloroethene      | 8.59 | 164 | 7462752 | 4392.559 | ug/L 97 |

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

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