

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U122018\  
 Data File : VU028832.D  
 Acq On : 20 Dec 2018 18:18  
 Operator : MD/SY  
 Sample : J6419-12ME  
 Misc : 5.55g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF040ME

Quant Time: Dec 21 05:44:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 21 03:50:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 220756   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 215489   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 102489   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 66354    | 37.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 74.98%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 38505    | 28.17    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 56.34%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 84876    | 28.52    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 57.04%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 116059   | 93.60    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 93.60%  |
| 24) Chloroform-d               | 4.64    | 84    | 111473   | 40.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.12%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 71928    | 41.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.86%  |
| 32) Benzene-d6                 | 5.33    | 84    | 242663   | 39.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 79.72%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 86754    | 41.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.90%  |
| 41) Toluene-d8                 | 7.56    | 98    | 220748   | 40.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.02%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 39032    | 42.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.24%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 100374   | 102.19   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.19% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 135181   | 47.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.22%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 89932    | 43.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.78%  |

| Target Compounds      |      |     |        |              | Qvalue |
|-----------------------|------|-----|--------|--------------|--------|
| 34) Trichloroethene   | 6.18 | 95  | 4697   | 2.836 ug/L   | 97     |
| 46) Tetrachloroethene | 8.22 | 164 | 407688 | 319.605 ug/L | 99     |

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

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