

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U122018\  
 Data File : VU028855.D  
 Acq On : 21 Dec 2018 03:33  
 Operator : MD/SY  
 Sample : J6513-11  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9F72

Quant Time: Dec 21 07:44:20 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 21 05:57:29 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 216105   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 202074   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 88100    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 70298    | 40.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.16%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 58901    | 44.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.04%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 91354    | 31.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.72%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 130528   | 107.53   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.53% |
| 24) Chloroform-d               | 4.65    | 84    | 124389   | 45.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 79128    | 47.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.24%  |
| 32) Benzene-d6                 | 5.34    | 84    | 266671   | 46.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 94589    | 48.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.54%  |
| 41) Toluene-d8                 | 7.57    | 98    | 239321   | 46.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.52%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 39552    | 45.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.02%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 105231   | 114.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 134126   | 49.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 99.70%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 90145    | 50.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.18% |

| Target Compounds     |       |     |       |            | Qvalue |
|----------------------|-------|-----|-------|------------|--------|
| 13) Acetone          | 2.32  | 43  | 2275  | 1.839 ug/L | 92     |
| 56) Isopropylbenzene | 10.17 | 105 | 61285 | 9.302 ug/L | 99     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU122018\  
Data File : VU028855.D  
Acq On : 21 Dec 2018 03:33  
Operator : MD/SY  
Sample : J6513-11  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 47 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9F72

Quant Time: Dec 21 07:44:20 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122018WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 21 05:57:29 2018  
Response via : Initial Calibration

