

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU083118\  
 Data File : VU026497.D  
 Acq On : 31 Aug 2018 14:14  
 Operator : MD/SY  
 Sample : J4691-15  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEE12

Quant Time: Sep 01 04:05:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 01 01:02:22 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 152738   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 142463   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 64471    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 41524    | 43.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.76%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 40533    | 47.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.84%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 61843    | 29.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.04%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 73622    | 100.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.24% |
| 24) Chloroform-d               | 4.65    | 84    | 85433    | 47.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 58142    | 48.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.72%  |
| 32) Benzene-d6                 | 5.35    | 84    | 170306   | 51.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.74% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 59407    | 52.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.34% |
| 41) Toluene-d8                 | 7.57    | 98    | 157203   | 49.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 23511    | 45.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.28%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 53400    | 103.22   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 103.22% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 80819    | 48.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.26%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 63615    | 54.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.78% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc  | Units | Ovalue |
|------------------------------|------|------|----------|-------|-------|--------|
| 3) Chloromethane             | 1.33 | 50   | 9552     | 6.50  | ug/L  | 100    |
| 13) Acetone                  | 2.32 | 43   | 37429    | 58.85 | ug/L  | 99     |
| 14) Carbon disulfide         | 2.48 | 76   | 8491     | 2.75  | ug/L  | 98     |
| 17) trans-1,2-Dichloroethene | 2.99 | 96   | 3928     | 3.98  | ug/L  | 95     |
| 20) cis-1,2-Dichloroethene   | 4.23 | 96   | 41102    | 37.21 | ug/L  | 99     |
| 22) 2-Butanone               | 4.27 | 43   | 11041    | 12.92 | ug/L  | 94     |
| 33) Benzene                  | 5.39 | 78   | 9668     | 2.37  | ug/L  | 100    |
| 34) Trichloroethene          | 6.19 | 95   | 5215     | 5.09  | ug/L  | 94     |
| 46) Tetrachloroethene        | 8.23 | 164  | 70786    | 84.51 | ug/L  | 97     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU083118\  
Data File : VU026497.D  
Acq On : 31 Aug 2018 14:14  
Operator : MD/SY  
Sample : J4691-15  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEE12

Quant Time: Sep 01 04:05:43 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Sep 01 01:02:22 2018  
Response via : Initial Calibration

