

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU121818\  
 Data File : VU028776.D  
 Acq On : 18 Dec 2018 17:47  
 Operator : MD/SY  
 Sample : J6422-13  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COLD7

Quant Time: Dec 19 01:27:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM120718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 19 00:38:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 179183   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 168070   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 68671    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 76125    | 45.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.98%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 58921    | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.94%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 98085    | 33.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.48%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 115997   | 86.31    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.31%  |
| 24) Chloroform-d               | 4.65    | 84    | 117481   | 44.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.72%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 75577    | 43.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.56%  |
| 32) Benzene-d6                 | 5.34    | 84    | 259699   | 49.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 91086    | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.52%  |
| 41) Toluene-d8                 | 7.57    | 98    | 230870   | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.36%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 38552    | 44.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.32%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 91156    | 99.74    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 99.74%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 117333   | 47.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.72%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 80269    | 57.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 115.22% |

| Target Compounds           |      |    |       |             | Qvalue |
|----------------------------|------|----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.23 | 96 | 2974  | 1.916 ug/L  | 77     |
| 34) Trichloroethene        | 6.19 | 95 | 33560 | 23.047 ug/L | 93     |

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

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