

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121919\  
 Data File : VU036287.D  
 Acq On : 19 Dec 2019 16:59  
 Operator : JC/MD  
 Sample : K6282-06  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDW2

Quant Time: Dec 20 04:04:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR121319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 20 03:13:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 258892   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 283290   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 88802    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 114490   | 5.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 100.40% |
| 7) Chloroethane-d5             | 1.93   | 69    | 106010   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 103.80% |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 118936   | 3.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 72.40%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 187020   | 43.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 87.58%  |
| 24) Chloroform-d               | 5.11   | 84    | 169540   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 91258    | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.80%  |
| 32) Benzene-d6                 | 5.77   | 84    | 326596   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 106873   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.40%  |
| 41) Toluene-d8                 | 7.93   | 98    | 265386   | 3.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.20%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 39374    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.40%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 160124   | 45.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78  | 84    | 91137    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 81371    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.80%  |

## Target Compounds

|                              |      |     |        |        | Ovalue  |
|------------------------------|------|-----|--------|--------|---------|
| 13) Acetone                  | 2.66 | 43  | 6842   | 1.838  | ug/L 98 |
| 17) Methyl tert-butyl Ether  | 3.41 | 73  | 13408  | 0.326  | ug/L 99 |
| 18) trans-1,2-Dichloroethene | 3.40 | 96  | 3831   | 0.190  | ug/L 98 |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96  | 84607  | 3.921  | ug/L 99 |
| 34) Trichloroethene          | 6.58 | 95  | 751882 | 33.498 | ug/L 98 |
| 47) Tetrachloroethene        | 8.59 | 164 | 3467   | 0.171  | ug/L 74 |

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

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