

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052019\  
 Data File : VU032177.D  
 Acq On : 21 May 2019 00:27  
 Operator : JC/SP  
 Sample : K2889-13  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 COBN0

Quant Time: May 21 09:29:04 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue May 21 08:29:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 348250   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 355523   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 143634   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 91181    | 3.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 62.20%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 86459    | 3.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 69.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 137512   | 2.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.80%# |
| 20) 2-Butanone-d5              | 4.21   | 46    | 236491   | 41.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 82.12%  |
| 24) Chloroform-d               | 4.64   | 84    | 204544   | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 104430   | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.40%  |
| 32) Benzene-d6                 | 5.33   | 84    | 401372   | 3.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 74.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 118541   | 3.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 74.80%  |
| 41) Toluene-d8                 | 7.56   | 98    | 321895   | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 67.40%# |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 37607    | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 66.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 207626   | 40.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 80.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 107865   | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 135086   | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.80%  |

| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

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

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