

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\  
 Data File : VU029580.D  
 Acq On : 20 Feb 2019 15:02  
 Operator : JC/SP  
 Sample : K1488-10DL 50X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ESXE6DL

Quant Time: Feb 21 05:30:23 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Feb 21 04:23:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 205092   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 201389   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 104595   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 49969    | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 72.60%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 51614    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 83845    | 2.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.00%# |
| 20) 2-Butanone-d5              | 4.19   | 46    | 169800   | 59.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 118.54% |
| 24) Chloroform-d               | 4.65   | 84    | 91299    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 62398    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.00% |
| 32) Benzene-d6                 | 5.34   | 84    | 225886   | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 72100    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.80% |
| 41) Toluene-d8                 | 7.56   | 98    | 213745   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 27216    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 166205   | 56.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 112.96% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 66957    | 5.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 98055    | 5.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.60% |

## Target Compounds

|                            |      |     |        |              | Ovalue |
|----------------------------|------|-----|--------|--------------|--------|
| 5) Vinyl chloride          | 1.40 | 62  | 12778  | 0.647 ug/L # | 67     |
| 22) cis-1,2-Dichloroethene | 4.22 | 96  | 97877  | 5.912 ug/L   | 95     |
| 34) Trichloroethene        | 6.18 | 95  | 62795  | 3.768 ug/L   | 95     |
| 47) Tetrachloroethene      | 8.22 | 164 | 220373 | 14.435 ug/L  | 98     |

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

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