

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\  
 Data File : VU035424.D  
 Acq On : 23 Oct 2019 22:08  
 Operator : JC/SP  
 Sample : K5488-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G50

Quant Time: Oct 24 06:55:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 24 05:20:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 212507   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 216953   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.85 | 152  | 66182    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 51611    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 57646    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 76508    | 3.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.80%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 205421   | 55.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.34% |
| 24) Chloroform-d               | 5.11   | 84    | 117989   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 70534    | 5.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.60% |
| 32) Benzene-d6                 | 5.77   | 84    | 226770   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 82041    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.20% |
| 41) Toluene-d8                 | 7.93   | 98    | 178827   | 3.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 75.40%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 28396    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.20%  |
| 46) 2-Hexanone-d5              | 8.70   | 63    | 151375   | 44.90    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 74737    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 106.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.23  | 152   | 57376    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.20%  |

## Target Compounds

|                             |      |     |        |             | Ovalue |
|-----------------------------|------|-----|--------|-------------|--------|
| 17) Methyl tert-butyl Ether | 3.43 | 73  | 21689  | 0.590 ug/L  | 95     |
| 22) cis-1,2-Dichloroethene  | 4.72 | 96  | 16944  | 1.040 ug/L  | 99     |
| 34) Trichloroethene         | 6.58 | 95  | 53931  | 3.143 ug/L  | 97     |
| 47) Tetrachloroethene       | 8.58 | 164 | 144723 | 10.122 ug/L | 98     |

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

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