

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061720\  
 Data File : VU038958.D  
 Acq On : 17 Jun 2020 20:44  
 Operator : SY/MD  
 Sample : L3040-14  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9L36

Quant Time: Jun 18 06:15:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jun 18 04:07:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 261236   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 271046   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 119491   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 86912    | 4.79     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.80%   |
| 7) Chloroethane-d5             | 1.93   | 69    | 75555    | 4.96     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.20%   |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 149991   | 4.08     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.60%   |
| 20) 2-Butanone-d5              | 4.71   | 46    | 384713   | 66.29    | ug/L | 0.02     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 132.58%# |
| 24) Chloroform-d               | 5.10   | 84    | 188241   | 5.22     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 104.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 115638   | 5.56     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.20%  |
| 32) Benzene-d6                 | 5.76   | 84    | 360748   | 5.09     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 116132   | 5.30     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 106.00%  |
| 41) Toluene-d8                 | 7.92   | 98    | 290779   | 4.58     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60%   |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 48375    | 4.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 96.40%   |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 313407   | 59.27    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 118.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 108114   | 5.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 122519   | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 109.80%  |

## Target Compounds

|                              |      |     |         |              | Ovalue |
|------------------------------|------|-----|---------|--------------|--------|
| 5) Vinyl chloride            | 1.62 | 62  | 9174    | 0.374 ug/L # | 80     |
| 17) Methyl tert-butyl Ether  | 3.40 | 73  | 10460   | 0.217 ug/L # | 85     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96  | 11797   | 0.612 ug/L   | 86     |
| 22) cis-1,2-Dichloroethene   | 4.71 | 96  | 2405888 | 121.514 ug/L | 99     |
| 34) Trichloroethene          | 6.57 | 95  | 164238  | 7.995 ug/L   | 96     |
| 47) Tetrachloroethene        | 8.57 | 164 | 39751   | 2.497 ug/L   | 96     |

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

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