

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102219\  
 Data File : VU035347.D  
 Acq On : 22 Oct 2019 02:17  
 Operator : JC/SP  
 Sample : K5458-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0K32

Quant Time: Oct 22 08:14:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 22 06:40:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 282799   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 281852   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 95797    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 117653   | 6.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 136.40%# |
| 7) Chloroethane-d5             | 1.94   | 69    | 104669   | 6.64     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 132.80%# |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 291427   | 9.14     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 182.80%# |
| 20) 2-Butanone-d5              | 4.70   | 46    | 273183   | 55.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.26%  |
| 24) Chloroform-d               | 5.11   | 84    | 192056   | 6.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 122.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 105293   | 6.03     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 120.60%  |
| 32) Benzene-d6                 | 5.77   | 84    | 397335   | 6.16     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 123.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 124798   | 6.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 122.00%  |
| 41) Toluene-d8                 | 7.93   | 98    | 353717   | 5.74     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.80%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 46177    | 4.65     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.00%   |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 205379   | 46.89    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.78%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 100200   | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 109.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 105768   | 6.06     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 121.20%# |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|------|------|----------|--------|--------|--------|
| 12) 1,1-Dichloroethene       | 2.61 | 96   | 234393   | 12.902 | ug/L # | 83     |
| 13) Acetone                  | 2.67 | 43   | 4960     | 1.439  | ug/L   | 78     |
| 16) Methylene chloride       | 3.08 | 84   | 2894     | 0.132  | ug/L   | 95     |
| 17) Methyl tert-butyl Ether  | 3.43 | 73   | 13510    | 0.276  | ug/L # | 90     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96   | 8089     | 0.413  | ug/L   | 85     |
| 19) 1,1-Dichloroethane       | 3.92 | 63   | 49598    | 1.399  | ug/L   | 100    |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96   | 301984   | 13.935 | ug/L   | 99     |
| 29) 1,1,1-Trichloroethane    | 5.36 | 97   | 22938    | 0.695  | ug/L   | 99     |
| 34) Trichloroethene          | 6.58 | 95   | 500201   | 22.435 | ug/L   | 96     |
| 45) 1,1,2-Trichloroethane    | 8.44 | 97   | 2813     | 0.180  | ug/L   | 91     |
| 47) Tetrachloroethene        | 8.58 | 164  | 822989   | 44.308 | ug/L   | 99     |

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

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