

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102319\  
 Data File : VU035425.D  
 Acq On : 23 Oct 2019 22:33  
 Operator : JC/SP  
 Sample : K5488-10  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G52

Quant Time: Oct 24 06:58:52 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  | 220297   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 223834   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 79164    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 52926    | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 56691    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 78362    | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 4.71   | 46    | 239683   | 62.09    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 124.18% |
| 24) Chloroform-d               | 5.11   | 84    | 118386   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 73818    | 5.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.60% |
| 32) Benzene-d6                 | 5.77   | 84    | 228984   | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 83193    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.40% |
| 41) Toluene-d8                 | 7.93   | 98    | 187767   | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.60%  |
| 43) trans-1,3-Dichloropropene- | 8.22   | 79    | 29895    | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.80%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 162426   | 46.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.38%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 77444    | 5.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.00% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 67121    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.20%  |

## Target Compounds

|                              |      |     |         |              | Ovalue |
|------------------------------|------|-----|---------|--------------|--------|
| 5) Vinyl chloride            | 1.62 | 62  | 29107   | 1.524 ug/L   | 95     |
| 12) 1,1-Dichloroethene       | 2.61 | 96  | 3420    | 0.242 ug/L # | 1      |
| 17) Methyl tert-butyl Ether  | 3.43 | 73  | 14933   | 0.392 ug/L # | 93     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96  | 32591   | 2.134 ug/L   | 97     |
| 19) 1,1-Dichloroethane       | 3.92 | 63  | 16186   | 0.586 ug/L   | 95     |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96  | 710061  | 42.060 ug/L  | 97     |
| 34) Trichloroethene          | 6.58 | 95  | 1514309 | 85.525 ug/L  | 97     |
| 47) Tetrachloroethene        | 8.58 | 164 | 71698   | 4.861 ug/L   | 97     |

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

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