

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120619\  
 Data File : VU036030.D  
 Acq On : 06 Dec 2019 18:09  
 Operator : JC/SP  
 Sample : K6168-05  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFE39

Quant Time: Dec 07 00:21:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 06 22:30:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 283081   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 295000   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 70843    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 107195   | 3.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 66.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 125496   | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 136339   | 2.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.80%# |
| 20) 2-Butanone-d5              | 4.68   | 46    | 242723   | 42.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 84.96%  |
| 24) Chloroform-d               | 5.11   | 84    | 187896   | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 104233   | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80%  |
| 32) Benzene-d6                 | 5.77   | 84    | 369985   | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 119209   | 4.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 84.40%  |
| 41) Toluene-d8                 | 7.93   | 98    | 297333   | 3.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 74.00%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 42037    | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 73.60%  |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 202850   | 45.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 102561   | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 74627    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.00% |

## Target Compounds

|                                |      |     |        |              | Ovalue |
|--------------------------------|------|-----|--------|--------------|--------|
| 3) Chloromethane               | 1.54 | 50  | 5014   | 0.150 ug/L   | 100    |
| 6) Bromomethane                | 1.87 | 94  | 2224   | 0.115 ug/L   | 74     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.60 | 101 | 3767   | 0.173 ug/L # | 70     |
| 12) 1,1-Dichloroethene         | 2.60 | 96  | 22583  | 1.113 ug/L # | 1      |
| 13) Acetone                    | 2.66 | 43  | 7463   | 1.445 ug/L   | 100    |
| 17) Methyl tert-butyl Ether    | 3.42 | 73  | 16963  | 0.357 ug/L   | 99     |
| 19) 1,1-Dichloroethane         | 3.92 | 63  | 63267  | 1.507 ug/L   | 94     |
| 22) cis-1,2-Dichloroethene     | 4.71 | 96  | 20334  | 0.896 ug/L   | 87     |
| 25) Chloroform                 | 5.13 | 83  | 25511  | 0.602 ug/L   | 90     |
| 27) 1,2-Dichloroethane         | 5.84 | 62  | 27785  | 1.026 ug/L   | 99     |
| 29) 1,1,1-Trichloroethane      | 5.36 | 97  | 10276  | 0.288 ug/L   | 96     |
| 34) Trichloroethene            | 6.58 | 95  | 58146  | 2.479 ug/L   | 95     |
| 47) Tetrachloroethene          | 8.58 | 164 | 651611 | 34.174 ug/L  | 94     |
| 50) 1,2-Dibromoethane          | 8.95 | 107 | 2478   | 0.149 ug/L # | 95     |

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

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