

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090819\  
 Data File : VU034380.D  
 Acq On : 07 Sep 2019 15:01  
 Operator : JC/SP  
 Sample : K4724-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDA2

Quant Time: Sep 09 05:23:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR090119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 03 14:18:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 291186   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 292837   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 144151   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 74288    | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.80%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 67003    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 123336   | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.20%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 226681   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.08% |
| 24) Chloroform-d               | 4.63   | 84    | 155819   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 76916    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.00%  |
| 32) Benzene-d6                 | 5.32   | 84    | 328577   | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 106656   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.00%  |
| 41) Toluene-d8                 | 7.55   | 98    | 288886   | 4.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.80%  |
| 43) trans-1,3-Dichloropropene- | 7.83   | 79    | 35435    | 4.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.00%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 171914   | 47.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 84712    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 122465   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.80%  |

## Target Compounds

| Target Compounds            | R.T. | QIon | Response | Conc    | Units  | Ovalue |
|-----------------------------|------|------|----------|---------|--------|--------|
| 12) 1,1-Dichloroethene      | 2.28 | 96   | 25112    | 1.387   | ug/L # | 60     |
| 13) Acetone                 | 2.31 | 43   | 15510    | 5.113   | ug/L   | 89     |
| 17) Methyl tert-butyl Ether | 2.99 | 73   | 6360     | 0.141   | ug/L # | 87     |
| 19) 1,1-Dichloroethane      | 3.42 | 63   | 6812     | 0.176   | ug/L   | 93     |
| 22) cis-1,2-Dichloroethene  | 4.21 | 96   | 27626    | 1.254   | ug/L   | 84     |
| 29) 1,1,1-Trichloroethane   | 4.89 | 97   | 5267     | 0.164   | ug/L   | 96     |
| 33) Benzene                 | 5.37 | 78   | 13510    | 0.153   | ug/L   | 100    |
| 34) Trichloroethene         | 6.16 | 95   | 3628085  | 158.932 | ug/L   | 97     |
| 37) 1,2-Dichloropropane     | 6.41 | 63   | 12992    | 0.569   | ug/L   | 99     |
| 45) 1,1,2-Trichloroethane   | 8.05 | 97   | 3184     | 0.218   | ug/L   | 91     |
| 47) Tetrachloroethene       | 8.21 | 164  | 358845   | 19.126  | ug/L   | 96     |

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

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