

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U092019\  
 Data File : VU034700.D  
 Acq On : 20 Sep 2019 19:39  
 Operator : JC/SP  
 Sample : K4948-16  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFCX4

Quant Time: Sep 21 05:13:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 21 02:29:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 488719   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 453437   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 197042   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 183624   | 36.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.40% |
| 7) Chloroethane-d5             | 1.67    | 69    | 159216   | 41.17    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 82.34% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 263684   | 31.12    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.24% |
| 21) 2-Butanone-d5              | 4.15    | 46    | 362051   | 94.42    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.42% |
| 24) Chloroform-d               | 4.62    | 84    | 328001   | 45.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.20% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 235698   | 44.08    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.16% |
| 32) Benzene-d6                 | 5.32    | 84    | 650667   | 46.30    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.60% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 233255   | 47.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.96% |
| 41) Toluene-d8                 | 7.54    | 98    | 608056   | 45.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.94% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 104256   | 44.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.62% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 224681   | 91.07    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.07% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 306920   | 45.03    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.06% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 195008   | 47.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.40% |

| Target Compounds            |      |    |       |            | Ovalue |
|-----------------------------|------|----|-------|------------|--------|
| 13) Acetone                 | 2.31 | 43 | 16750 | 3.755 ug/L | 98     |
| 18) Methyl tert-butyl Ether | 2.98 | 73 | 17925 | 1.382 ug/L | 92     |

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

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