

Data File : VU030839.D  
Acq On : 07 Apr 2019 06:28  
Operator : JC/SP  
Sample : K2249-13  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

Quant Time: Apr 08 09:16:46 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040519WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Apr 08 07:03:53 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 436186   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 425056   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 167712   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 199700   | 51.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 102.58% |
| 7) Chloroethane-d5             | 1.68    | 69    | 160459   | 54.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 108.60% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 333328   | 47.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.66%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 318642   | 103.25   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.25% |
| 24) Chloroform-d               | 4.64    | 84    | 313079   | 52.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.28% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 219201   | 54.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.02% |
| 32) Benzene-d6                 | 5.33    | 84    | 633384   | 51.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.08% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 225593   | 53.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.10% |
| 41) Toluene-d8                 | 7.56    | 98    | 513832   | 46.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.44%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 83937    | 43.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.58%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 180683   | 92.96    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 294821   | 51.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 102.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 178375   | 54.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.16% |

#### Target Compounds

|                              |      |     |         |          |      | Qvalue |
|------------------------------|------|-----|---------|----------|------|--------|
| 9) Trichlorofluoromethane    | 1.88 | 101 | 5097    | 0.912    | ug/L | 95     |
| 12) 1,1-Dichloroethene       | 2.28 | 96  | 110170m | 36.539   | ug/L |        |
| 13) Acetone                  | 2.32 | 43  | 15867   | 5.025    | ug/L | 99     |
| 17) trans-1,2-Dichloroethene | 2.98 | 96  | 7091    | 2.215    | ug/L | 87     |
| 19) 1,1-Dichloroethane       | 3.44 | 63  | 552787  | 83.670   | ug/L | 98     |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96  | 1082964 | 306.363  | ug/L | 100    |
| 30) 1,1,1-Trichloroethane    | 4.91 | 97  | 8312206 | 1604.630 | ug/L | 100    |
| 34) Trichloroethene          | 6.18 | 95  | 111452  | 32.669   | ug/L | 98     |
| 45) 1,1,2-Trichloroethane    | 8.07 | 97  | 15922   | 4.767    | ug/L | 96     |
| 46) Tetrachloroethene        | 8.22 | 164 | 265124  | 106.891  | ug/L | 99     |

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

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