

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\  
 Data File : VU033571.D  
 Acq On : 02 Aug 2019 15:43  
 Operator : JC/SP  
 Sample : K4117-13  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 JLLH4

Quant Time: Aug 03 01:31:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM073119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 03 00:39:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 281561   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 283912   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 143863   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 126926   | 62.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 124.00%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 107362   | 61.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 122.26%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 166451   | 44.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.60%   |
| 21) 2-Butanone-d5              | 4.14    | 46    | 203498   | 150.09   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 150.09%# |
| 24) Chloroform-d               | 4.62    | 84    | 199615   | 58.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 116.34%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 133006   | 61.21    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 122.42%  |
| 32) Benzene-d6                 | 5.32    | 84    | 422031   | 59.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 119.92%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 134325   | 60.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 121.76%# |
| 41) Toluene-d8                 | 7.55    | 98    | 373822   | 56.68    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 113.36%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 61096    | 55.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 111.64%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 151215   | 144.36   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 144.36%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 207223   | 60.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 121.82%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 150916   | 57.29    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 114.58%  |

## Target Compounds

| Target Compounds    | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|---------------------|------|------|----------|--------|--------|--------|
| 8) Chloroethane     | 1.69 | 64   | 2891     | 1.659  | ug/L   | 92     |
| 13) Acetone         | 2.31 | 43   | 16673    | 12.019 | ug/L   | 98     |
| 22) 2-Butanone      | 4.25 | 43   | 5705     | 3.445  | ug/L # | 59     |
| 34) Trichloroethene | 6.17 | 95   | 2734     | 1.265  | ug/L   | 89     |

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

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