

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\  
 Data File : VU033923.D  
 Acq On : 23 Aug 2019 00:37  
 Operator : JC/SP  
 Sample : K4485-04  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F2B21

Quant Time: Aug 23 05:04:00 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082219WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 23 02:53:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 561834   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 571052   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 235146   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 223397   | 45.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.68%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 187647   | 48.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.02%  |
| 11) 1,1-Dichloroethene-d2      | 2.25    | 63    | 322004   | 36.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.46%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 324163   | 97.77    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.77%  |
| 24) Chloroform-d               | 4.62    | 84    | 381280   | 47.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 263669   | 50.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.74% |
| 32) Benzene-d6                 | 5.32    | 84    | 792467   | 48.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.70%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 265648   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.94% |
| 41) Toluene-d8                 | 7.55    | 98    | 685171   | 46.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.48%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 110019   | 45.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.58%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 211311   | 96.54    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 356163   | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 253066   | 52.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.48% |

## Target Compounds

|                            |      |    |       |            | Ovalue |
|----------------------------|------|----|-------|------------|--------|
| 5) Vinyl chloride          | 1.39 | 62 | 39144 | 6.668 ug/L | # 56   |
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 6209  | 1.386 ug/L | 97     |

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

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