

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082119\  
 Data File : VU033879.D  
 Acq On : 21 Aug 2019 18:10  
 Operator : JC/SP  
 Sample : K4420-09  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F2C04

Quant Time: Aug 22 07:38:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM081619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 22 07:18:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.87  | 114  | 402936   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 406536   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 169552   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 165914   | 45.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.54%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 150149   | 44.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.56%  |
| 11) 1,1-Dichloroethene-d2      | 2.25    | 63    | 214122   | 35.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.68%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 191898   | 100.94   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.94% |
| 24) Chloroform-d               | 4.62    | 84    | 274918   | 47.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.22%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 179729   | 49.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.48%  |
| 32) Benzene-d6                 | 5.32    | 84    | 550225   | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.16%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 179350   | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.16%  |
| 41) Toluene-d8                 | 7.55    | 98    | 480249   | 45.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.26%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 73504    | 42.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.40%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 128269   | 94.33    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.33%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 250406   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.14%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 179145   | 53.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.02% |

| Target Compounds           |      |    |       |             | Ovalue |
|----------------------------|------|----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 8844  | 2.816 ug/L  | 90     |
| 34) Trichloroethene        | 6.16 | 95 | 61971 | 18.908 ug/L | 98     |

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

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