

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032219\  
 Data File : VU030322.D  
 Acq On : 22 Mar 2019 20:37  
 Operator : JC/SP  
 Sample : K2048-10  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1D6

Quant Time: Mar 23 05:34:05 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 23 04:35:39 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 515215   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 497887   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 230382   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 133494   | 38.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.64%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 118525   | 42.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 188112   | 29.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.20%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 255734   | 98.95    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.95%  |
| 24) Chloroform-d               | 4.65    | 84    | 277534   | 43.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 165063   | 45.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.52%  |
| 32) Benzene-d6                 | 5.34    | 84    | 583224   | 44.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.90%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 190347   | 46.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.78%  |
| 41) Toluene-d8                 | 7.56    | 98    | 505975   | 41.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.02%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 81576    | 41.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.54%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 203174   | 96.51    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.51%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 288015   | 46.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 213114   | 46.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.14%  |

## Target Compounds

|                       |      |     |        |              | Ovalue |
|-----------------------|------|-----|--------|--------------|--------|
| 13) Acetone           | 2.32 | 43  | 8820   | 3.266 ug/L   | 93     |
| 34) Trichloroethene   | 6.19 | 95  | 20910  | 5.523 ug/L   | 98     |
| 42) Toluene           | 7.64 | 91  | 14911  | 0.954 ug/L   | 97     |
| 46) Tetrachloroethene | 8.22 | 164 | 637866 | 199.400 ug/L | 99     |

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

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