

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\  
 Data File : VU031634.D  
 Acq On : 30 Apr 2019 15:19  
 Operator : JC/SP  
 Sample : K2593-04 100X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0XB8

Quant Time: May 01 02:25:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 01 01:38:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 613229   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 604137   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 212503   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 305134   | 59.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 118.90% |
| 7) Chloroethane-d5             | 1.68    | 69    | 230583   | 58.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 116.28% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 451129   | 44.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.28%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 486309   | 104.58   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.58% |
| 24) Chloroform-d               | 4.64    | 84    | 499613   | 53.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.30% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 342605   | 55.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 111.58% |
| 32) Benzene-d6                 | 5.34    | 84    | 979745   | 52.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.62% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 349296   | 53.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 107.04% |
| 41) Toluene-d8                 | 7.56    | 98    | 796668   | 49.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.60%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 137591   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.22%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 270591   | 95.78    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.78%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 430657   | 49.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.34%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 223324   | 49.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.94%  |

## Target Compounds

|                           |      |     |        |             | Ovalue |
|---------------------------|------|-----|--------|-------------|--------|
| 9) Trichlorofluoromethane | 1.88 | 101 | 16259  | 1.870 ug/L  | 100    |
| 34) Trichloroethene       | 6.18 | 95  | 517313 | 96.080 ug/L | 93     |
| 46) Tetrachloroethene     | 8.22 | 164 | 8648   | 2.356 ug/L  | 86     |

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

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