

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051419\  
 Data File : VU032013.D  
 Acq On : 14 May 2019 22:33  
 Operator : JC/SP  
 Sample : K2738-02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VHBLK01

Quant Time: May 15 06:36:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM051419WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 15 04:26:34 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 1116556  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 1106550  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 440884   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 425278   | 43.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.80%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 356922   | 44.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.98%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 593989   | 33.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.64%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 623040   | 90.81    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 90.81%  |
| 24) Chloroform-d               | 4.64    | 84    | 719661   | 43.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.76%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 477575   | 46.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.46%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1564590  | 48.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.68%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 515704   | 48.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.58%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1367034  | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.26%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 206441   | 44.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.54%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 399241   | 93.15    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.15%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 682627   | 43.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.28%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 468112   | 50.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.92% |

| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 34) Trichloroethene   | 6.19 | 95  | 4386 | 0.489 ug/L | 91     |
| 46) Tetrachloroethene | 8.23 | 164 | 8062 | 1.272 ug/L | 82     |

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

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