

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061719\  
 Data File : VU032802.D  
 Acq On : 17 Jun 2019 22:47  
 Operator : JC/SP  
 Sample : PB120632TB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB01

Quant Time: Jun 18 05:15:17 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM061719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 18 02:39:23 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 230216   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 226307   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 113631   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 71065    | 45.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.34%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 59495    | 47.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 111976   | 35.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.66%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 138818   | 106.01   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 106.01% |
| 24) Chloroform-d               | 4.64    | 84    | 142956   | 46.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 98968    | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.16%  |
| 32) Benzene-d6                 | 5.33    | 84    | 284120   | 48.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.32%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 91865    | 48.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.76%  |
| 41) Toluene-d8                 | 7.56    | 98    | 266858   | 48.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.60%  |
| 43) trans-1,3-Dichloropropene- | 7.84    | 79    | 44157    | 45.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.34%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 99892    | 113.84   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 113.84% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42   | 84    | 136834   | 47.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 110154   | 50.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.18% |

## Target Compounds

|                        |      |    |      |              | Ovalue |
|------------------------|------|----|------|--------------|--------|
| 13) Acetone            | 2.32 | 43 | 6064 | 3.353 ug/L   | 92     |
| 15) Methyl Acetate     | 2.62 | 43 | 2361 | 1.152 ug/L # | 88     |
| 16) Methylene chloride | 2.70 | 84 | 2331 | 1.370 ug/L   | 89     |

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

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