

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\  
 Data File : VU034811.D  
 Acq On : 25 Sep 2019 18:47  
 Operator : JC/SP  
 Sample : PB123366TB  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VLEB03

Quant Time: Sep 26 07:12:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 26 06:56:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 460158   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 438961   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 190299   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 199577   | 42.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 84.74%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 176846   | 48.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.14%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 268227   | 33.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.24%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 387473   | 107.32   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.32% |
| 24) Chloroform-d               | 4.62    | 84    | 336452   | 49.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.26%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 234358   | 46.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.10%  |
| 32) Benzene-d6                 | 5.32    | 84    | 704514   | 51.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.56% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 249426   | 52.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.90% |
| 41) Toluene-d8                 | 7.54    | 98    | 678881   | 52.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.90% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 111546   | 48.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.94%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 257531   | 107.82   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 335356   | 50.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.64% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 229274   | 57.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 114.92% |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc     | Units  | Ovalue |
|------------------------|------|------|----------|----------|--------|--------|
| 13) Acetone            | 2.31 | 43   | 13295    | 3.166    | ug/L   | 98     |
| 16) Methylene chloride | 2.68 | 84   | 4030107  | 1056.763 | ug/L   | 97     |
| 23) Bromochloromethane | 4.53 | 128  | 1986     | 1.078    | ug/L # | 73     |

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

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