

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092619\  
 Data File : VU034836.D  
 Acq On : 26 Sep 2019 11:14  
 Operator : JC/SP  
 Sample : VU0926WBL01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK45

Manual Integrations  
 APPROVED

MMDadoda  
 9/27/2019 10:40:12 AM

Quant Time: Sep 26 17:24:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 26 15:50:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 482524   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 452222   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 201972   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 192536   | 38.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 77.96%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 182723m  | 47.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.72%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 293653m  | 35.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.20%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 425241   | 112.32   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 112.32% |
| 24) Chloroform-d               | 4.62    | 84    | 364999   | 50.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.66% |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 251420   | 47.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.26%  |
| 32) Benzene-d6                 | 5.32    | 84    | 763766   | 54.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.98% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 270480   | 55.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 110.42% |
| 41) Toluene-d8                 | 7.54    | 98    | 729943   | 54.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.48% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 120747   | 51.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 102.92% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 276171   | 112.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 366286   | 53.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.76% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 240777   | 56.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 113.70% |

Target Compounds Ovalue

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

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