

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092519\  
 Data File : VU034810.D  
 Acq On : 25 Sep 2019 18:23  
 Operator : JC/SP  
 Sample : VU0925WBL02  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VBLK43

Manual Integrations  
 APPROVED

MMDadoda  
 9/26/2019 1:06:14 PM

Quant Time: Sep 26 07:10:18 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  | 439981   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 413030   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 174927   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 183982   | 40.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.70%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 168533m  | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 258733m  | 33.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.84%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 362491   | 105.00   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.00% |
| 24) Chloroform-d               | 4.62    | 84    | 331657   | 50.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.30% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 229788   | 47.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.48%  |
| 32) Benzene-d6                 | 5.32    | 84    | 695785   | 54.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.70% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 243086   | 54.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 108.66% |
| 41) Toluene-d8                 | 7.54    | 98    | 644535   | 52.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.84% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 102654   | 47.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 95.80%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 238761   | 106.24   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 324014   | 52.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 104.38% |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 218760   | 59.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 119.28% |

Target Compounds Ovalue

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

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