

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092019\  
 Data File : VU034688.D  
 Acq On : 20 Sep 2019 14:58  
 Operator : JC/SP  
 Sample : K4984-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BEDP2

Manual Integrations  
 APPROVED

MMDadoda  
 9/23/2019 9:33:00 AM

Quant Time: Sep 21 03:51:57 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 21 02:29:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 480424   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 455668   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 203396   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 204510   | 41.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.16%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 173618   | 45.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.34%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 275817m  | 33.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.24%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 398319   | 105.67   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.67% |
| 24) Chloroform-d               | 4.62    | 84    | 343441   | 48.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.06%  |
| 26) 1,2-Dichloroethane-d4      | 5.28    | 65    | 253246   | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.36%  |
| 32) Benzene-d6                 | 5.32    | 84    | 683167   | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.74%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 249279   | 50.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 7.54    | 98    | 643958   | 47.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.84%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 109227   | 46.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.40%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 248184   | 100.10   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 100.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 321978   | 47.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.02%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 215427   | 50.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.02% |

| Target Compounds |      |    |       |            | Ovalue |
|------------------|------|----|-------|------------|--------|
| 13) Acetone      | 2.31 | 43 | 41234 | 9.404 ug/L | 97     |

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

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