

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051019\  
 Data File : VU031907.D  
 Acq On : 10 May 2019 22:42  
 Operator : JC/SP  
 Sample : K2741-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFHH0

Manual Integrations  
 APPROVED

MMDadoda  
 5/11/2019 11:49:28 AM

Quant Time: May 11 04:22:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 11 02:45:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 984026   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 1005162  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 371222   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 369191   | 44.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.66%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 316802m  | 49.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 99.56%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 525034   | 32.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.02%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 651736   | 87.34    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.34%  |
| 24) Chloroform-d               | 4.64    | 84    | 689853   | 45.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.48%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 458454   | 46.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.04%  |
| 32) Benzene-d6                 | 5.34    | 84    | 1401401  | 45.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 475111   | 43.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.50%  |
| 41) Toluene-d8                 | 7.56    | 98    | 1208242  | 44.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.88%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 185282   | 39.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.50%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 416656   | 88.65    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.65%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 675070   | 46.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 391164   | 50.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

Target Compounds Ovalue

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

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