

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032719\  
 Data File : VU030499.D  
 Acq On : 27 Mar 2019 21:29  
 Operator : JC/SP  
 Sample : K2120-08  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF5D3

Manual Integrations  
 APPROVED

MMDadoda  
 3/28/2019 11:00:39 AM

Quant Time: Mar 28 04:22:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 02:45:06 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 419473   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 395576   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 156836   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 154642   | 45.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.62% |
| 7) Chloroethane-d5             | 1.68    | 69    | 122680   | 45.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.70% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 216980m  | 33.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.76% |
| 21) 2-Butanone-d5              | 4.17    | 46    | 259610   | 81.81    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 81.81% |
| 24) Chloroform-d               | 4.65    | 84    | 258795   | 44.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.98% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 171999   | 45.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.38% |
| 32) Benzene-d6                 | 5.34    | 84    | 520697   | 45.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.80% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 185778   | 47.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.74% |
| 41) Toluene-d8                 | 7.56    | 98    | 456196   | 44.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.56% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 79470    | 43.54    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.08% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 167459   | 79.62    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 79.62% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 241282   | 43.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.88% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 146087   | 46.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.98% |

Target Compounds Ovalue

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

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