

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040119\  
 Data File : VU030590.D  
 Acq On : 31 Mar 2019 15:16  
 Operator : JC/SP  
 Sample : K2167-16DL 500X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF1D0DL

Quant Time: Apr 01 02:52:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 01 02:05:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 434977   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 433068   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 172644   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 143103   | 40.88    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 81.76% |
| 7) Chloroethane-d5             | 1.68    | 69    | 123430   | 44.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 88.96% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 222082   | 33.44    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.88% |
| 21) 2-Butanone-d5              | 4.18    | 46    | 284553   | 86.47    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.47% |
| 24) Chloroform-d               | 4.65    | 84    | 268685   | 44.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.10% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 188811   | 47.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.68% |
| 32) Benzene-d6                 | 5.34    | 84    | 551175   | 44.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.76% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 195670   | 46.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 92.10% |
| 41) Toluene-d8                 | 7.56    | 98    | 482214   | 43.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.46% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 83894    | 41.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 83.98% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 179390   | 77.91    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.91% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 265540   | 43.67    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.34% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 164747   | 47.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.26% |

| Target Compounds      |      |     |        |             | Ovalue |
|-----------------------|------|-----|--------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 115802 | 45.749 ug/L | 98     |

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

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