

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\  
 Data File : VU029899.D  
 Acq On : 08 Mar 2019 19:42  
 Operator : JC/SP  
 Sample : K1763-05  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0960

Quant Time: Mar 09 00:26:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM021519WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 08 22:13:16 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 474467   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 466113   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 232884   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 123324   | 35.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 70.94%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 111390   | 36.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 72.08%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 225816   | 33.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.46%  |
| 21) 2-Butanone-d5              | 4.17    | 46    | 228251   | 107.88   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 107.88% |
| 24) Chloroform-d               | 4.65    | 84    | 285137   | 50.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.14% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 164693   | 46.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.26%  |
| 32) Benzene-d6                 | 5.34    | 84    | 565071   | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.36%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 176339   | 49.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.94%  |
| 41) Toluene-d8                 | 7.56    | 98    | 522124   | 43.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.24%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 81839    | 43.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.44%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 188715   | 96.04    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.04%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 284688   | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 233605   | 46.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.10%  |

## Target Compounds

| Target Compounds           | R.T. | QIon | Response | Conc     | Units  | Ovalue |
|----------------------------|------|------|----------|----------|--------|--------|
| 12) 1,1-Dichloroethene     | 2.28 | 96   | 91948    | 29.264   | ug/L   | 90     |
| 13) Acetone                | 2.32 | 43   | 59414    | 26.279   | ug/L   | 95     |
| 16) Methylene chloride     | 2.70 | 84   | 6379377  | 2098.247 | ug/L   | 99     |
| 19) 1,1-Dichloroethane     | 3.44 | 63   | 12456    | 2.484    | ug/L   | 100    |
| 20) cis-1,2-Dichloroethene | 4.22 | 96   | 229037   | 67.969   | ug/L   | 99     |
| 22) 2-Butanone             | 4.27 | 43   | 11059    | 4.286    | ug/L   | 77     |
| 23) Bromochloromethane     | 4.55 | 128  | 3681     | 1.993    | ug/L # | 92     |
| 25) Chloroform             | 4.67 | 83   | 313361   | 56.009   | ug/L   | 100    |
| 30) 1,1,1-Trichloroethane  | 4.91 | 97   | 11621    | 2.351    | ug/L   | 97     |
| 31) Carbon tetrachloride   | 5.13 | 117  | 5400     | 1.207    | ug/L   | 97     |
| 34) Trichloroethene        | 6.19 | 95   | 11639577 | 3615.548 | ug/L   | 94     |
| 38) Bromodichloromethane   | 6.76 | 83   | 17110    | 4.046    | ug/L # | 97     |
| 42) Toluene                | 7.64 | 91   | 31344    | 2.218    | ug/L   | 98     |
| 45) 1,1,2-Trichloroethane  | 8.07 | 97   | 8847     | 2.646    | ug/L   | 96     |
| 46) Tetrachloroethene      | 8.22 | 164  | 63246    | 20.072   | ug/L   | 96     |
| 49) Dibromochloromethane   | 8.47 | 129  | 6517     | 1.608    | ug/L   | 100    |
| 54) o-xylene               | 9.78 | 106  | 128764   | 19.896   | ug/L   | 98     |

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| Internal Standards      | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------|-------|------|----------|-------|--------|----------|
| 65) 1,2-Dichlorobenzene | 11.88 | 146  | 13127    | 1.694 | ug/L # | 86       |

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

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