

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\  
 Data File : VU032518.D  
 Acq On : 07 Jun 2019 00:13  
 Operator : JC/SP  
 Sample : K3215-14  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB8K4

Quant Time: Jun 07 07:11:18 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 07 07:01:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 204198   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.08  | 117  | 190925   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 97678    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 39332    | 29.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 59.38%# |
| 7) Chloroethane-d5             | 1.68    | 69    | 37186    | 34.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 69.86%# |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 65889    | 25.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.80%# |
| 21) 2-Butanone-d5              | 4.17    | 46    | 108921   | 98.24    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.24%  |
| 24) Chloroform-d               | 4.64    | 84    | 104081   | 42.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 71856    | 46.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.32%  |
| 32) Benzene-d6                 | 5.33    | 84    | 212433   | 42.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.72%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 71380    | 45.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 91.86%  |
| 41) Toluene-d8                 | 7.56    | 98    | 198168   | 42.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.34%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 31610    | 42.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.00%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 69196    | 91.79    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 91.79%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 108193   | 48.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.08%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 89954    | 48.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.16%  |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|-------|------|----------|---------|--------|--------|
| 13) Acetone                | 2.32  | 43   | 1421     | 1.242   | ug/L   | 86     |
| 20) cis-1,2-Dichloroethene | 4.22  | 96   | 13534    | 9.108   | ug/L   | 95     |
| 34) Trichloroethene        | 6.18  | 95   | 18874    | 12.932  | ug/L   | 98     |
| 46) Tetrachloroethene      | 8.22  | 164  | 142217   | 117.985 | ug/L   | 99     |
| 51) Chlorobenzene          | 9.12  | 112  | 14680    | 3.878   | ug/L   | 97     |
| 56) Isopropylbenzene       | 10.17 | 105  | 2859     | 0.439   | ug/L # | 88     |
| 63) 1,4-Dichlorobenzene    | 11.50 | 146  | 3458     | 1.145   | ug/L   | 91     |
| 65) 1,2-Dichlorobenzene    | 11.87 | 146  | 15943    | 5.336   | ug/L   | 97     |

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

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