

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050719\  
 Data File : VU031801.D  
 Acq On : 07 May 2019 13:53  
 Operator : JC/SP  
 Sample : K2705-06  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0B45

Quant Time: May 08 07:55:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 08 06:47:54 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 560259   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 539121   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 196615   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 203387   | 43.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.76%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 166808   | 46.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.06%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 319152   | 34.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.36%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 548908   | 129.20   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 129.20% |
| 24) Chloroform-d               | 4.64    | 84    | 437552   | 50.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.90% |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 319040   | 56.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.74% |
| 32) Benzene-d6                 | 5.34    | 84    | 787917   | 47.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 302056   | 51.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 103.72% |
| 41) Toluene-d8                 | 7.56    | 98    | 599042   | 41.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.08%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 114649   | 45.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.72%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 283505   | 112.46   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 112.46% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 424812   | 54.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 108.70% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 202009   | 48.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.70%  |

## Target Compounds

|                              |      |    |        |              | Ovalue |
|------------------------------|------|----|--------|--------------|--------|
| 5) Vinyl chloride            | 1.40 | 62 | 243350 | 34.919 ug/L  | 99     |
| 13) Acetone                  | 2.33 | 43 | 9983   | 2.086 ug/L   | 76     |
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 8398   | 1.844 ug/L   | 86     |
| 18) Methyl tert-butyl Ether  | 3.00 | 73 | 13598  | 0.937 ug/L # | 93     |
| 20) cis-1,2-Dichloroethene   | 4.22 | 96 | 532750 | 109.040 ug/L | 86     |
| 34) Trichloroethene          | 6.19 | 95 | 6695   | 1.393 ug/L   | 91     |

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

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