

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092319\  
 Data File : VU034747.D  
 Acq On : 23 Sep 2019 20:55  
 Operator : JC/SP  
 Sample : K4932-03  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFDG5

Quant Time: Sep 24 04:42:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Sep 24 03:36:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 481129   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 461538   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 231461   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 203108   | 41.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.48%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 170859   | 44.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.76%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 281899   | 33.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.60%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 444503   | 117.75   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 117.75% |
| 24) Chloroform-d               | 4.62    | 84    | 352750   | 49.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.52%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 254710   | 48.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.78%  |
| 32) Benzene-d6                 | 5.32    | 84    | 725623   | 50.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.44% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 253762   | 50.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.50% |
| 41) Toluene-d8                 | 7.54    | 98    | 698952   | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.72% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 117791   | 49.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 98.38%  |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 300258   | 119.56   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 119.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 341004   | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 252278   | 51.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.96% |

## Target Compounds

| Target Compounds           | R.T. | QIon | Response | Conc    | Units  | Ovalue |
|----------------------------|------|------|----------|---------|--------|--------|
| 5) Vinyl chloride          | 1.40 | 62   | 7925     | 1.461   | ug/L # | 36     |
| 13) Acetone                | 2.31 | 43   | 459577   | 104.658 | ug/L   | 99     |
| 15) Methyl Acetate         | 2.61 | 43   | 6285     | 1.071   | ug/L # | 81     |
| 16) Methylene chloride     | 2.69 | 84   | 126376   | 31.694  | ug/L   | 95     |
| 19) 1,1-Dichloroethane     | 3.42 | 63   | 8386     | 1.062   | ug/L   | 94     |
| 20) cis-1,2-Dichloroethene | 4.20 | 96   | 174863   | 43.453  | ug/L   | 97     |
| 22) 2-Butanone             | 4.24 | 43   | 111375   | 21.319  | ug/L   | 98     |
| 27) 1,2-Dichloroethane     | 5.38 | 62   | 25455    | 3.790   | ug/L   | 100    |
| 29) Cyclohexane            | 4.97 | 56   | 42838    | 5.623   | ug/L   | 92     |
| 33) Benzene                | 5.37 | 78   | 1090498  | 68.125  | ug/L   | 100    |
| 34) Trichloroethene        | 6.16 | 95   | 29397    | 7.436   | ug/L   | 92     |
| 35) Methylcyclohexane      | 6.39 | 83   | 37690    | 5.618   | ug/L   | 96     |
| 37) 1,2-Dichloropropane    | 6.41 | 63   | 20080    | 4.213   | ug/L   | 99     |
| 40) 4-Methyl-2-pentanone   | 7.44 | 43   | 5430808  | 596.805 | ug/L   | 99     |
| 42) Toluene                | 7.62 | 91   | 8772733  | 507.110 | ug/L   | 99     |
| 46) Tetrachloroethene      | 8.21 | 164  | 17637    | 6.342   | ug/L   | 94     |
| 51) Chlorobenzene          | 9.10 | 112  | 21111    | 2.007   | ug/L   | 97     |

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QLast Update : Tue Sep 24 03:36:55 2019  
Response via : Initial Calibration

| Internal Standards      | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------|-------|------|----------|---------|-------|----------|
| 52) Ethylbenzene        | 9.23  | 91   | 1941536  | 99.665  | ug/L  | 99       |
| 53) m,p-Xylene          | 9.35  | 106  | 2596725  | 376.340 | ug/L  | 99       |
| 54) o-xylene            | 9.76  | 106  | 1469754  | 215.360 | ug/L  | 96       |
| 56) Isopropylbenzene    | 10.14 | 105  | 135598   | 7.369   | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene | 11.49 | 146  | 15318    | 1.876   | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene | 11.86 | 146  | 145150   | 17.922  | ug/L  | 97       |

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

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