

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011020\  
 Data File : VU036432.D  
 Acq On : 10 Jan 2020 16:53  
 Operator : JC/MD  
 Sample : L1090-04MS  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETOQ1MS

Quant Time: Jan 10 23:30:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM122719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jan 10 22:57:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 472906   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 455175   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 172791   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 122450   | 33.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 66.46%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 121197   | 38.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 77.98%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 258568   | 41.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.38%  |
| 21) 2-Butanone-d5              | 4.68    | 46    | 287804   | 104.88   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.88% |
| 24) Chloroform-d               | 5.11    | 84    | 311334   | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.82%  |
| 26) 1,2-Dichloroethane-d4      | 5.75    | 65    | 217599   | 51.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.06% |
| 32) Benzene-d6                 | 5.77    | 84    | 610363   | 48.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.34%  |
| 36) 1,2-Dichloropropane-d6     | 6.73    | 67    | 204261   | 48.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.12%  |
| 41) Toluene-d8                 | 7.93    | 98    | 564483   | 46.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.80%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 102356   | 44.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.76%  |
| 47) 2-Hexanone-d5              | 8.67    | 63    | 208459   | 95.10    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 311475   | 48.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.64%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22   | 152   | 171936   | 47.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.88%  |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------|------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 2.60 | 96   | 101099   | 36.944 | ug/L  | # 72   |
| 13) Acetone            | 2.66 | 43   | 7061     | 2.481  | ug/L  | 99     |
| 33) Benzene            | 5.82 | 78   | 575189   | 43.018 | ug/L  | 100    |
| 34) Trichloroethene    | 6.58 | 95   | 144277   | 41.854 | ug/L  | 96     |
| 42) Toluene            | 8.00 | 91   | 634718   | 43.109 | ug/L  | 100    |
| 51) Chlorobenzene      | 9.47 | 112  | 421492   | 45.355 | ug/L  | 98     |

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

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