

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052820\  
 Data File : VU038345.D  
 Acq On : 28 May 2020 15:08  
 Operator : JC/MD  
 Sample : L2756-05MS 200X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 29 05:07:20 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM052820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri May 29 04:31:03 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 544002   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 520821   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 254877   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 217148   | 63.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 127.18%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 164253   | 62.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 124.50%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 393508   | 56.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 112.76%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 398331   | 122.77   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 122.77%  |
| 24) Chloroform-d               | 5.10    | 84    | 390846   | 58.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 116.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 266142   | 57.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 115.82%  |
| 32) Benzene-d6                 | 5.76    | 84    | 825526   | 61.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 122.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 252286   | 60.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 120.28%# |
| 41) Toluene-d8                 | 7.92    | 98    | 724167   | 60.54    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 121.08%# |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 123582   | 59.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 118.34%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 289605   | 131.12   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 131.12%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.78   | 84    | 349004   | 56.22    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 112.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 286027   | 60.54    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 121.08%# |

## Target Compounds

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Ovalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59  | 101  | 3817     | 1.143   | ug/L  | # 24   |
| 12) 1,1-Dichloroethene         | 2.60  | 96   | 139392m  | 42.262  | ug/L  |        |
| 16) Methylene chloride         | 3.08  | 84   | 36160    | 9.541   | ug/L  | 96     |
| 19) 1,1-Dichloroethane         | 3.91  | 63   | 44989    | 6.706   | ug/L  | 96     |
| 20) cis-1,2-Dichloroethene     | 4.71  | 96   | 712900   | 183.688 | ug/L  | 97     |
| 30) 1,1,1-Trichloroethane      | 5.35  | 97   | 262956   | 46.431  | ug/L  | 99     |
| 33) Benzene                    | 5.81  | 78   | 611209   | 41.784  | ug/L  | 100    |
| 34) Trichloroethene            | 6.57  | 95   | 151988   | 40.611  | ug/L  | 97     |
| 40) 4-Methyl-2-pentanone       | 7.82  | 43   | 15869    | 2.630   | ug/L  | 97     |
| 42) Toluene                    | 8.00  | 91   | 1088837  | 70.902  | ug/L  | 99     |
| 51) Chlorobenzene              | 9.47  | 112  | 395956   | 40.118  | ug/L  | 99     |
| 52) Ethylbenzene               | 9.59  | 91   | 88198    | 5.126   | ug/L  | 96     |
| 53) m,p-Xylene                 | 9.71  | 106  | 65079    | 9.890   | ug/L  | 98     |
| 54) o-xylene                   | 10.12 | 106  | 24677    | 3.857   | ug/L  | 91     |
| 55) Styrene                    | 10.14 | 104  | 10903    | 0.992   | ug/L  | 96     |

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| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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