

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022420\  
 Data File : VU036886.D  
 Acq On : 24 Feb 2020 16:28  
 Operator : JC/MD  
 Sample : L1608-01DL 5X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AQ7DL

Quant Time: Feb 25 03:47:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM022420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 25 03:18:14 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 277252   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 256085   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 94692    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 107450   | 46.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.30%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 92187    | 47.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.70%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 138362   | 35.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.98%  |
| 21) 2-Butanone-d5              | 4.67    | 46    | 157133   | 100.61   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 100.61% |
| 24) Chloroform-d               | 5.11    | 84    | 166148   | 46.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.46%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 114786   | 47.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.42%  |
| 32) Benzene-d6                 | 5.76    | 84    | 368768   | 49.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 119468   | 49.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.58%  |
| 41) Toluene-d8                 | 7.93    | 98    | 332798   | 48.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.88%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 52486    | 47.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.14%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 115043   | 98.07    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.07%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 160612   | 47.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.96%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 96972    | 52.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.78% |

## Target Compounds

|                            |      |    |       |              | Ovalue |
|----------------------------|------|----|-------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.60 | 96 | 2336  | 1.304 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene | 4.71 | 96 | 11569 | 5.378 ug/L   | 100    |
| 30) 1,1,1-Trichloroethane  | 5.35 | 97 | 3184  | 1.160 ug/L # | 73     |
| 34) Trichloroethene        | 6.57 | 95 | 69944 | 35.176 ug/L  | 98     |

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

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