

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092118\  
 Data File : VU026944.D  
 Acq On : 20 Sep 2018 19:33  
 Operator : MD/SY  
 Sample : J5012-01 50X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C08J8

Quant Time: Sep 21 06:32:49 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM091718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 21 04:24:07 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 276024   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 269931   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 137742   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 92643    | 45.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.74%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 79775    | 45.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.30%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 129939   | 33.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.26%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 138560   | 102.26   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 102.26% |
| 24) Chloroform-d               | 4.65    | 84    | 160413   | 42.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 103367   | 43.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.68%  |
| 32) Benzene-d6                 | 5.34    | 84    | 335187   | 44.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 88.62%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 108807   | 44.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.28%  |
| 41) Toluene-d8                 | 7.57    | 98    | 295584   | 43.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.50%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 46548    | 42.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.54%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 100945   | 105.37   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 105.37% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 146007   | 42.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.92%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 134509   | 46.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.88%  |

## Target Compounds

|                            |       |     |         |          | Ovalue   |
|----------------------------|-------|-----|---------|----------|----------|
| 33) Benzene                | 5.39  | 78  | 91704   | 10.958   | ug/L 100 |
| 51) Chlorobenzene          | 9.12  | 112 | 961522  | 1673.263 | ug/L 97  |
| 62) 1,3-Dichlorobenzene    | 11.42 | 146 | 314996  | 75.017   | ug/L 99  |
| 63) 1,4-Dichlorobenzene    | 11.51 | 146 | 1045576 | 226.135  | ug/L 98  |
| 65) 1,2-Dichlorobenzene    | 11.88 | 146 | 2655285 | 571.100  | ug/L 100 |
| 68) 1,2,4-trichlorobenzene | 13.50 | 180 | 73526   | 26.259   | ug/L 99  |
| 70) 1,2,3-Trichlorobenzene | 13.99 | 180 | 12478   | 4.047    | ug/L 95  |

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

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