

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082518\  
 Data File : VU026362.D  
 Acq On : 25 Aug 2018 11:47  
 Operator : MD/SY  
 Sample : J4622-03DL2 1000X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ETBJ3DL2

Quant Time: Aug 27 05:14:44 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082218WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 04:25:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 323688   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 319206   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 153676   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 101321   | 51.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 102.64% |
| 7) Chloroethane-d5             | 1.68    | 69    | 80911    | 50.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.52% |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 151192   | 38.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.92%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 149846   | 95.10    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.10%  |
| 24) Chloroform-d               | 4.65    | 84    | 196468   | 44.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.30%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 136837   | 47.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.56%  |
| 32) Benzene-d6                 | 5.35    | 84    | 407801   | 47.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.50%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 130278   | 47.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.02%  |
| 41) Toluene-d8                 | 7.57    | 98    | 369214   | 45.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.46%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 63114    | 44.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.10%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 107836   | 92.02    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 92.02%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 178230   | 43.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 87.84%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 159246   | 48.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.66%  |

## Target Compounds

|                              |      |    |        |        | Ovalue   |
|------------------------------|------|----|--------|--------|----------|
| 5) Vinyl chloride            | 1.40 | 62 | 18596  | 7.88   | ug/L 92  |
| 12) 1,1-Dichloroethene       | 2.28 | 96 | 2285   | 1.34   | ug/L # 1 |
| 17) trans-1,2-Dichloroethene | 2.98 | 96 | 2599   | 1.24   | ug/L 84  |
| 20) cis-1,2-Dichloroethene   | 4.23 | 96 | 385994 | 166.53 | ug/L 93  |
| 34) Trichloroethene          | 6.19 | 95 | 121221 | 52.68  | ug/L 98  |

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

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