

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082518\  
 Data File : VV007207.D  
 Acq On : 25 Aug 2018 16:32  
 Operator : SY/MD  
 Sample : J4622-10  
 Misc : 5.0 mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBK2

Quant Time: Aug 27 02:40:32 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM082418WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Aug 27 01:23:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 681595   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 682946   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 282267   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 239366   | 50.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 100.00%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 181112   | 46.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.30%   |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 300241   | 36.05    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.10%   |
| 21) 2-Butanone-d5              | 3.96    | 46    | 476651   | 133.59   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 133.59%# |
| 24) Chloroform-d               | 4.41    | 84    | 442930   | 47.66    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.32%   |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 280659   | 49.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.88%   |
| 32) Benzene-d6                 | 5.11    | 84    | 900721   | 46.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.86%   |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 301333   | 47.33    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.66%   |
| 41) Toluene-d8                 | 7.37    | 98    | 736221   | 43.10    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.20%   |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 123632   | 44.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.88%   |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 229718   | 114.36   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 114.36%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 426072   | 50.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 100.48%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 298660   | 50.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.40%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------------|------|------|----------|--------|-------|--------|
| 5) Vinyl chloride            | 1.32 | 62   | 2854949  | 498.19 | ug/L  | 100    |
| 13) Acetone                  | 2.20 | 43   | 10649    | 4.04   | ug/L  | 95     |
| 17) trans-1,2-Dichloroethene | 2.79 | 96   | 9086     | 2.00   | ug/L  | 93     |
| 20) cis-1,2-Dichloroethene   | 3.97 | 96   | 1274577  | 239.67 | ug/L  | 98     |
| 34) Trichloroethene          | 5.96 | 95   | 35926    | 6.98   | ug/L  | 98     |

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

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