

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV102918\  
 Data File : VV008456.D  
 Acq On : 29 Oct 2018 16:15  
 Operator : SY/MD  
 Sample : J5669-19  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 ETBR1

Quant Time: Oct 30 08:40:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102318WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 30 07:40:49 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 188042   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 169926   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 71432    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 46588    | 44.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 89.50%  |
| 7) Chloroethane-d5             | 1.56    | 69    | 35956    | 47.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 95.66%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 64397    | 34.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.50%  |
| 21) 2-Butanone-d5              | 3.94    | 46    | 109309   | 96.60    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.60%  |
| 24) Chloroform-d               | 4.41    | 84    | 120622   | 46.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 83746    | 48.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.56%  |
| 32) Benzene-d6                 | 5.10    | 84    | 242317   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.08% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 84942    | 50.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.06% |
| 41) Toluene-d8                 | 7.36    | 98    | 216926   | 49.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.68%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 40005    | 48.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.98%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 83920    | 95.62    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.62%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 112210   | 49.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 73974    | 50.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.26% |

| Target Compounds           |      |    |       |       |      | Qvalue |
|----------------------------|------|----|-------|-------|------|--------|
| 5) Vinyl chloride          | 1.33 | 62 | 8384  | 6.29  | ug/L | # 22   |
| 13) Acetone                | 2.19 | 43 | 6047  | 6.89  | ug/L | 98     |
| 20) cis-1,2-Dichloroethene | 3.97 | 96 | 40818 | 27.86 | ug/L | 92     |

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

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