

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120318\  
 Data File : VW007165.D  
 Acq On : 03 Dec 2018 16:22  
 Operator : SY/AP  
 Sample : J6171-10  
 Misc : 6.63G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F9Y14

Quant Time: Dec 04 05:02:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM113018S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 04 03:14:20 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 174944   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 151433   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 72703    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 26003    | 17.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.88%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 20482    | 19.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.76%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 54199    | 13.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.92%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 19808    | 32.87    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.74%   |
| 24) Chloroform-d               | 7.65   | 84    | 64836    | 17.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 70.76%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 39364    | 18.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.24%   |
| 29) Benzene-d6                 | 8.28   | 84    | 165655   | 23.02    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 92.08%   |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 56406    | 27.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 109.44%  |
| 37) Toluene-d8                 | 10.32  | 98    | 277997   | 36.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 146.12%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 21875    | 21.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.84%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 19243    | 39.83    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.66%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 38589    | 20.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.20%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 58416    | 21.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 85.64%   |

| Target Compounds      |       |     |         |              | Ovalue |
|-----------------------|-------|-----|---------|--------------|--------|
| 30) Cyclohexane       | 7.96  | 56  | 912748  | 276.531 ug/L | 99     |
| 36) Methylcyclohexane | 9.34  | 83  | 2999808 | 759.351 ug/L | 89     |
| 57) Isopropylbenzene  | 12.47 | 105 | 273679  | 24.952 ug/L  | 99     |

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

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