

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW100318\  
 Data File : VW005828.D  
 Acq On : 03 Oct 2018 22:53  
 Operator : SY/AP  
 Sample : J5181-12  
 Misc : 2.62G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JLC41

Quant Time: Oct 15 08:06:10 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM092818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 04 07:04:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 257863   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 259938   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 126358   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 40010    | 12.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 48.68%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 36971    | 14.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.68%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 74728    | 10.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 41.64%# |
| 20) 2-Butanone-d5              | 7.09   | 46    | 45963    | 43.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.10%  |
| 24) Chloroform-d               | 7.65   | 84    | 138314   | 20.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 83.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 89382    | 22.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 89.12%  |
| 29) Benzene-d6                 | 8.27   | 84    | 230624   | 17.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 71.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 71542    | 19.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 76.96%  |
| 37) Toluene-d8                 | 10.33  | 98    | 206053   | 16.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 64.88%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 33869    | 17.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.36%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 34194    | 39.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.52%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 78645    | 21.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 96735    | 21.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.56%  |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.14 | 43 | 3400  | 3.094 ug/L | 84     |
| 16) Methylene chloride | 4.92 | 84 | 40508 | 9.527 ug/L | 96     |

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

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