

Data File : VW017342.D  
Acq On : 18 Nov 2020 21:02  
Operator : SY/VA  
Sample : L4738-17RE  
Misc : 5.97G/12ML/MSVOA\_W/SOIL  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 19 06:07:23 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Nov 19 05:03:18 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 375847   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 292929   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 83387    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 129487   | 23.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.08%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 102452   | 23.18    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.72%   |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 159131   | 16.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.40%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 59518    | 65.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 130.26%  |
| 24) Chloroform-d               | 7.65   | 84    | 226800   | 22.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.88%   |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 130010   | 27.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.00%  |
| 29) Benzene-d6                 | 8.27   | 84    | 444848   | 26.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 127266   | 28.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 115.72%  |
| 37) Toluene-d8                 | 10.33  | 98    | 380301   | 24.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.84%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55315    | 28.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 115.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 50164    | 85.04    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 170.08%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 113055   | 33.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 135.64%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 76666    | 24.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.64%   |

#### Target Compounds

|                        |       |    |       |             | Qvalue |
|------------------------|-------|----|-------|-------------|--------|
| 13) Acetone            | 4.13  | 43 | 9908  | 14.861 ug/L | 66     |
| 14) Carbon disulfide   | 4.39  | 76 | 3120  | 0.215 ug/L  | 95     |
| 16) Methylene chloride | 4.92  | 84 | 9376  | 1.458 ug/L  | 93     |
| 21) 2-Butanone         | 7.18  | 43 | 1296m | 1.268 ug/L  |        |
| 34) Benzene            | 8.33  | 78 | 8120  | 0.491 ug/L  | 100    |
| 44) Toluene            | 10.39 | 91 | 13168 | 0.717 ug/L  | 100    |

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

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