

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111320\  
 Data File : VW017221.D  
 Acq On : 13 Nov 2020 18:34  
 Operator : SY/VA  
 Sample : L4710-02  
 Misc : 4.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AW7

Manual Integrations  
 APPROVED

MMDadoda  
 11/17/2020 6:51:25 PM

Quant Time: Nov 17 05:38:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Nov 16 11:48:24 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 347462   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 234523   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 59836    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 102799   | 23.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.96%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 88714    | 26.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.20%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 137844   | 17.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.44%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 28136    | 28.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.50%   |
| 24) Chloroform-d               | 7.65   | 84    | 207773   | 25.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 109242   | 27.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.36%  |
| 29) Benzene-d6                 | 8.28   | 84    | 383186   | 32.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 128.32%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 112647   | 34.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 136.40%# |
| 37) Toluene-d8                 | 10.33  | 98    | 307739   | 27.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 31716    | 21.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.20%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 19214    | 33.33    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.66%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 65952    | 22.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.68%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 47527    | 22.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.16%   |

## Target Compounds

|                          |       |    |       |       | Ovalue |
|--------------------------|-------|----|-------|-------|--------|
| 13) Acetone              | 4.14  | 43 | 1860m | 2.838 | ug/L   |
| 16) Methylene chloride   | 4.92  | 84 | 15453 | 3.299 | ug/L   |
| 43) 4-Methyl-2-pentanone | 10.21 | 43 | 1488  | 0.838 | ug/L # |

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

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