

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100720\  
 Data File : VW016810.D  
 Acq On : 06 Oct 2020 22:19  
 Operator : SY/VA  
 Sample : L4235-16  
 Misc : 4.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 07 04:44:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 07 03:05:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 478099   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 337281   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 94605    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 142985   | 30.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 121.28%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 126507   | 31.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 127.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 206341   | 20.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 82.40%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 37112    | 34.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.48%   |
| 24) Chloroform-d               | 7.65   | 84    | 268145   | 26.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 138318   | 28.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 113.56%  |
| 29) Benzene-d6                 | 8.28   | 84    | 552985   | 36.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 144.40%# |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 150678   | 36.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 146.40%# |
| 37) Toluene-d8                 | 10.33  | 98    | 454094   | 31.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 125.68%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 40337    | 22.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.88%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29639    | 46.56    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.12%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 84709    | 25.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 81349    | 27.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.44%  |

## Target Compounds

|                        |       |    |        |             | Ovalue |
|------------------------|-------|----|--------|-------------|--------|
| 13) Acetone            | 4.13  | 43 | 15161  | 18.753 ug/L | 97     |
| 15) Methyl Acetate     | 4.70  | 43 | 1591m  | 0.824 ug/L  |        |
| 16) Methylene chloride | 4.93  | 84 | 5965   | 0.904 ug/L  | 98     |
| 21) 2-Butanone         | 7.18  | 43 | 14957m | 11.021 ug/L |        |
| 44) Toluene            | 10.39 | 91 | 5259   | 0.262 ug/L  | 99     |

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

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