

Data File : VW009187.D  
Acq On : 14 Mar 2019 23:11  
Operator : SY/VA  
Sample : K1885-17  
Misc : 5.42G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Mar 15 07:57:27 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 06:53:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 431488   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 414215   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 196291   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 139186   | 26.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.96% |
| 7) Chloroethane-d5             | 2.89   | 69    | 131174   | 21.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 202670   | 18.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.76%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 100358   | 47.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.12%  |
| 24) Chloroform-d               | 7.65   | 84    | 277553   | 23.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.28%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 169349   | 23.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 537450   | 23.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 163765   | 23.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.48%  |
| 37) Toluene-d8                 | 10.32  | 98    | 481398   | 22.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.16%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 75650    | 21.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.80%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 80072    | 48.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.38%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 154650   | 22.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 182896   | 24.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.20%  |

#### Target Compounds

|                            |       |     |        |         |      | Qvalue |
|----------------------------|-------|-----|--------|---------|------|--------|
| 13) Acetone                | 4.12  | 43  | 8796   | 5.030   | ug/L | 87     |
| 16) Methylene chloride     | 4.92  | 84  | 18838m | 2.994   | ug/L |        |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 10507  | 1.736   | ug/L | 99     |
| 44) Toluene                | 10.39 | 91  | 19759  | 0.797   | ug/L | 90     |
| 47) Tetrachloroethene      | 10.86 | 164 | 627311 | 122.894 | ug/L | 97     |

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

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