

Data File : VW006894.D  
Acq On : 15 Nov 2018 12:56  
Operator : SY/AP  
Sample : J5944-08  
Misc : 6.17G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 16 05:02:48 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111418S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 16 04:49:42 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 193054   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 184963   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 88202    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 42224    | 24.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 31151    | 25.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.04% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 81403    | 17.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.12%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 22230    | 23.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 47.06%  |
| 24) Chloroform-d               | 7.65   | 84    | 98240    | 22.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 53462    | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.64%  |
| 29) Benzene-d6                 | 8.28   | 84    | 211930   | 21.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 62694    | 21.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.72%  |
| 37) Toluene-d8                 | 10.33  | 98    | 222229   | 22.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 24845    | 19.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 17585    | 23.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 47.70%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 41284    | 16.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 64.48%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 73298    | 21.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.76%  |

| Target Compounds           |      |    |       |            | Qvalue |
|----------------------------|------|----|-------|------------|--------|
| 13) Acetone                | 4.15 | 43 | 2377m | 3.906 ug/L |        |
| 16) Methylene chloride     | 4.92 | 84 | 7756  | 2.298 ug/L | 90     |
| 22) cis-1,2-Dichloroethene | 7.18 | 96 | 4152m | 1.615 ug/L |        |
| 35) Trichloroethene        | 9.09 | 95 | 8060  | 2.861 ug/L | 98     |

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

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