

Data File : VW005532.D  
Acq On : 20 Sep 2018 13:57  
Operator : SY/AP  
Sample : J4970-05  
Misc : 4.95G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
E5FD7

Quant Time: Oct 04 03:20:00 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091918S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Sep 21 01:00:52 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 368881   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 335513   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 130564   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 110911   | 22.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.32% |
| 7) Chloroethane-d5             | 2.89   | 69    | 89760    | 22.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.68% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 183413   | 16.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.12% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 65081    | 33.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.16% |
| 24) Chloroform-d               | 7.65   | 84    | 223328   | 22.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.20% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 141617   | 23.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.00% |
| 29) Benzene-d6                 | 8.28   | 84    | 445412   | 22.45    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 89.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 131671   | 21.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.16% |
| 37) Toluene-d8                 | 10.33  | 98    | 408837   | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.56% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 60541    | 21.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.36% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 49915    | 35.36    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.72% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 104613   | 19.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 116726   | 23.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.32% |

#### Target Compounds

|                        |       |     |       |            | Qvalue |
|------------------------|-------|-----|-------|------------|--------|
| 13) Acetone            | 4.14  | 43  | 13227 | 7.970 ug/L | 100    |
| 16) Methylene chloride | 4.91  | 84  | 11357 | 1.861 ug/L | 97     |
| 44) Toluene            | 10.40 | 91  | 16967 | 0.810 ug/L | 92     |
| 47) Tetrachloroethene  | 10.87 | 164 | 6684  | 1.565 ug/L | 97     |
| 54) m,p-Xylene         | 11.84 | 106 | 4910  | 0.550 ug/L | 84     |

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

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