

Data File : VW014861.D  
Acq On : 04 Feb 2020 15:20  
Operator : SY/VA  
Sample : L1323-14  
Misc : 5.02G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Feb 05 04:30:53 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020320S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Feb 05 03:41:59 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1247111  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1123429  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 484594   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 366803   | 18.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.12% |
| 7) Chloroethane-d5             | 2.89   | 69    | 338522   | 18.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.52% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 576680   | 13.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.60% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 237416   | 32.34    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.68% |
| 24) Chloroform-d               | 7.65   | 84    | 774740   | 19.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.04% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 417037m  | 18.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 1627845  | 20.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 528922   | 20.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 81.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 1422291  | 20.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.32% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 182542   | 17.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.08% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 181322   | 35.69    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.38% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 366925   | 18.14    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 445255   | 21.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.72% |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.13 | 43 | 20127 | 2.535 ug/L | 93     |
| 16) Methylene chloride | 4.92 | 84 | 37686 | 1.637 ug/L | 95     |

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

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