

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020720\  
 Data File : VW014915.D  
 Acq On : 07 Feb 2020 13:00  
 Operator : SY/VA  
 Sample : L1386-17  
 Misc : 5.81G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F3S15

Quant Time: Feb 08 04:44:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Feb 08 03:59:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 824005   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 771684   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 291930   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 240740   | 17.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.60% |
| 7) Chloroethane-d5             | 2.89   | 69    | 241124   | 22.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.32% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 362834   | 14.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.24% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 161792   | 42.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.52% |
| 24) Chloroform-d               | 7.65   | 84    | 540804   | 23.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.48% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 312352   | 24.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.52% |
| 29) Benzene-d6                 | 8.27   | 84    | 1067866  | 21.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.08% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 375371   | 23.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.84% |
| 37) Toluene-d8                 | 10.32  | 98    | 904150   | 20.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.80% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 122076   | 19.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.48% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 111728   | 37.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 75.80% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 257104   | 21.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.44% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 263671   | 23.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.16% |

| Target Compounds |      |    |       |            | Ovalue |
|------------------|------|----|-------|------------|--------|
| 13) Acetone      | 4.12 | 43 | 13597 | 3.441 ug/L | 100    |

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

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