

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020620\  
 Data File : VW014898.D  
 Acq On : 06 Feb 2020 15:55  
 Operator : SY/VA  
 Sample : L1386-03  
 Misc : 3.29G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F3S02

Quant Time: Feb 07 06:36:38 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Feb 07 05:58:53 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 892677   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 808298   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 304754   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 295282   | 19.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 288196   | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.44%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 448227   | 16.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.40%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 156675   | 37.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 75.56%  |
| 24) Chloroform-d               | 7.65   | 84    | 629981   | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 339984   | 24.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.96%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1271218  | 24.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 428008   | 25.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.08% |
| 37) Toluene-d8                 | 10.32  | 98    | 1087576  | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.08%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 136101   | 20.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.40%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 107558   | 34.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.68%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 259943   | 20.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 81.52%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 309684   | 26.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.80% |

| Target Compounds |      |    |       |            | Ovalue |
|------------------|------|----|-------|------------|--------|
| 13) Acetone      | 4.12 | 43 | 12628 | 2.950 ug/L | 95     |

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

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