

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020620\  
 Data File : VW014904.D  
 Acq On : 06 Feb 2020 18:32  
 Operator : SY/VA  
 Sample : L1386-10  
 Misc : 4.42G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F3S08

Manual Integrations  
 APPROVED

MMDadoda  
 2/10/2020 12:32:50 PM

Quant Time: Feb 07 07:05:08 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  | 859768   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 786624   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 302521   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 319479   | 22.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.80%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 314919   | 27.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.56% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 484950   | 18.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.60%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 168683   | 42.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.46%  |
| 24) Chloroform-d               | 7.65   | 84    | 679070   | 27.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 111.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 367644   | 27.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.84% |
| 29) Benzene-d6                 | 8.27   | 84    | 1381301  | 27.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.24% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 469433   | 28.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 113.92% |
| 37) Toluene-d8                 | 10.32  | 98    | 1188445  | 26.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 106.80% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 144454   | 22.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 120109   | 39.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.94%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 276390   | 22.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 340837   | 29.05    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 116.20% |

| Target Compounds       |      |    |        | Ovalue        |
|------------------------|------|----|--------|---------------|
| 13) Acetone            | 4.13 | 43 | 20645  | 5.007 ug/L 99 |
| 16) Methylene chloride | 4.92 | 84 | 27031m | 1.726 ug/L    |

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

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