

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW083118\  
 Data File : VW005049.D  
 Acq On : 31 Aug 2018 18:44  
 Operator : SY/AP  
 Sample : J4678-04MSD  
 Misc : 5.67G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E5FC3MSD

Quant Time: Aug 31 23:53:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM083118S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 31 16:23:30 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 609317   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 623654   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 296752   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 213143   | 22.34    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.36% |
| 7) Chloroethane-d5             | 2.89   | 69    | 163099   | 23.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.24% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 301233   | 22.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 91.32% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 113254   | 44.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.66% |
| 24) Chloroform-d               | 7.65   | 84    | 299839   | 22.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.56% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 174616   | 23.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.92% |
| 29) Benzene-d6                 | 8.28   | 84    | 686805   | 21.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.64% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 208728   | 22.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 91.20% |
| 37) Toluene-d8                 | 10.33  | 98    | 705167   | 22.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.88% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 91055    | 22.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.32% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 101963   | 45.13    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.26% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 202848   | 22.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 89.92% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 282212   | 24.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.92% |

| Target Compounds       |       |     |        |       |      | Ovalue |
|------------------------|-------|-----|--------|-------|------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96  | 149228 | 24.17 | ug/L | 100    |
| 13) Acetone            | 4.14  | 43  | 6528   | 3.53  | ug/L | 95     |
| 34) Benzene            | 8.33  | 78  | 697638 | 22.46 | ug/L | 100    |
| 35) Trichloroethene    | 9.10  | 95  | 191804 | 24.21 | ug/L | 99     |
| 44) Toluene            | 10.40 | 91  | 848300 | 23.98 | ug/L | 99     |
| 52) Chlorobenzene      | 11.66 | 112 | 546150 | 22.53 | ug/L | 99     |

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

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