

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082818\  
 Data File : VW004994.D  
 Acq On : 28 Aug 2018 18:59  
 Operator : SY/AP  
 Sample : J4678-04MSD  
 Misc : 5.24G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E5FC3MSD

Quant Time: Aug 29 05:49:02 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 29 04:23:47 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 253485   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 311376   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 140250   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 92653    | 19.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.36%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 77473    | 21.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.24%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 115706   | 18.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 75.64%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 59948    | 61.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 122.96% |
| 24) Chloroform-d               | 7.65   | 84    | 128510   | 22.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 86263    | 28.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.84% |
| 29) Benzene-d6                 | 8.28   | 84    | 283607   | 17.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 70.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 90380    | 19.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 76.84%  |
| 37) Toluene-d8                 | 10.33  | 98    | 298272   | 17.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.32%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 40035    | 19.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 79.08%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 54238    | 46.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.04%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 118879   | 25.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.56% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 135897   | 24.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.48%  |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc  | Units | Ovalue |
|------------------------|-------|------|----------|-------|-------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96   | 57989    | 19.65 | ug/L  | 92     |
| 13) Acetone            | 4.14  | 43   | 4556     | 6.03  | ug/L  | 62     |
| 16) Methylene chloride | 4.92  | 84   | 18077    | 3.68  | ug/L  | 94     |
| 34) Benzene            | 8.33  | 78   | 295089   | 16.62 | ug/L  | 100    |
| 35) Trichloroethene    | 9.10  | 95   | 72699    | 16.47 | ug/L  | 98     |
| 44) Toluene            | 10.40 | 91   | 362358   | 17.00 | ug/L  | 98     |
| 52) Chlorobenzene      | 11.66 | 112  | 257327   | 18.17 | ug/L  | 99     |

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

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