

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW082418\  
 Data File : VW004949.D  
 Acq On : 24 Aug 2018 21:27  
 Operator : SY/AP  
 Sample : J4647-02MS  
 Misc : 3.66G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAB69MS

Quant Time: Aug 25 04:22:24 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM082218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 25 01:34:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 666998   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 708787   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 281241   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 293210   | 23.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 233458   | 24.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 360930   | 22.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 89.68%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 137811   | 53.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.42% |
| 24) Chloroform-d               | 7.65   | 84    | 353498   | 23.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 95.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 223675   | 27.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.20% |
| 29) Benzene-d6                 | 8.28   | 84    | 894014   | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 275310   | 25.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.80% |
| 37) Toluene-d8                 | 10.33  | 98    | 958910   | 24.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.32%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 115924   | 25.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.60% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 157319   | 59.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.56% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 280858   | 26.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.36% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 320792   | 28.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 113.56% |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96   | 154438   | 19.888 | ug/L  | 89     |
| 13) Acetone            | 4.14  | 43   | 19501    | 9.812  | ug/L  | 97     |
| 34) Benzene            | 8.33  | 78   | 828437   | 20.499 | ug/L  | 100    |
| 35) Trichloroethene    | 9.10  | 95   | 187310   | 18.639 | ug/L  | 99     |
| 44) Toluene            | 10.39 | 91   | 1069436  | 22.035 | ug/L  | 100    |
| 47) Tetrachloroethene  | 10.87 | 164  | 56804    | 5.774  | ug/L  | 99     |
| 52) Chlorobenzene      | 11.66 | 112  | 635519   | 19.712 | ug/L  | 98     |

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

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