

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080718\  
 Data File : VW004495.D  
 Acq On : 07 Aug 2018 14:30  
 Operator : SY/AP  
 Sample : J4268-08  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK01

Quant Time: Aug 08 05:49:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 08 05:39:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 893186   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 907614   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 397466   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 201830   | 18.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.68% |
| 7) Chloroethane-d5             | 2.89   | 69    | 177382   | 18.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 312456   | 13.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.40% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 198296   | 40.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.96% |
| 24) Chloroform-d               | 7.65   | 84    | 498009   | 20.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.40% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 287219   | 21.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 85.24% |
| 29) Benzene-d6                 | 8.27   | 84    | 932218   | 19.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 77.24% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 311364   | 19.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 78.92% |
| 37) Toluene-d8                 | 10.33  | 98    | 776143   | 18.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 115377   | 17.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.12% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 139330   | 36.27    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.54% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 332686   | 19.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 77.76% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 334493   | 22.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.64% |

| Target Compounds       |      |    |       |           | Ovalue |
|------------------------|------|----|-------|-----------|--------|
| 16) Methylene chloride | 4.91 | 84 | 61520 | 3.47 ug/L | 95     |

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

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