

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081518\  
 Data File : VW004676.D  
 Acq On : 14 Aug 2018 19:16  
 Operator : SY/AP  
 Sample : VW0815SBL02  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK83

Quant Time: Aug 16 01:13:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081418S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 14 12:36:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 807393   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 818448   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 364102   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 318485   | 24.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 238785   | 24.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.28%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 430766   | 18.35    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.40%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 228645   | 65.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 131.68% |
| 24) Chloroform-d               | 7.65   | 84    | 527119   | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 296025   | 25.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.28% |
| 29) Benzene-d6                 | 8.28   | 84    | 1069964  | 23.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.24%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 337298   | 23.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.64%  |
| 37) Toluene-d8                 | 10.33  | 98    | 931450   | 22.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.48%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 132403   | 22.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 168140   | 59.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.02% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 351698   | 26.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 362417   | 26.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.96% |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.14 | 43 | 7269  | 2.281 ug/L | 94     |
| 16) Methylene chloride | 4.91 | 84 | 35143 | 2.179 ug/L | 97     |

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

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