

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061819\  
 Data File : VW010842.D  
 Acq On : 18 Jun 2019 12:09  
 Operator : SY/VA  
 Sample : K3363-11  
 Misc : 5.01G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VHBLK01

Quant Time: Jun 19 05:02:10 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM061119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jun 19 04:47:37 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 386935   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 348613   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 158244   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 111469   | 19.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.12% |
| 7) Chloroethane-d5             | 2.88   | 69    | 90585    | 21.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.80% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 190470   | 16.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.20% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 102163   | 46.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.40% |
| 24) Chloroform-d               | 7.65   | 84    | 133564   | 16.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 67.16% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 146523   | 22.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 476342   | 22.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.56% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 156514   | 23.44    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 427892   | 22.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.52% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 66736    | 22.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.28% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 70311    | 44.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.14% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 125681   | 22.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.88% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 141320   | 23.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.84% |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.92 | 84 | 12128 | 2.284 ug/L | 97     |

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

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