

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\  
 Data File : VW009504.D  
 Acq On : 27 Mar 2019 15:45  
 Operator : SY/VA  
 Sample : K2068-05  
 Misc : 5.19G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5M7

Quant Time: Mar 28 06:56:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 04:55:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 342663   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 296900   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 118036   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 72561    | 17.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.88% |
| 7) Chloroethane-d5             | 2.89   | 69    | 90954    | 18.98    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 122741   | 13.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.48% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 50313    | 29.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 59.42% |
| 24) Chloroform-d               | 7.65   | 84    | 200324   | 21.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 120423   | 21.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 85.52% |
| 29) Benzene-d6                 | 8.27   | 84    | 343032   | 20.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 114325   | 23.25    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.00% |
| 37) Toluene-d8                 | 10.32  | 98    | 281490   | 18.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 74.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39351    | 15.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 63.72% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 34447    | 28.92    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.84% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 99505    | 20.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.16% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 86366    | 19.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 76.32% |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.13 | 43 | 10845  | 7.809 ug/L | 95     |
| 16) Methylene chloride | 4.92 | 84 | 31795m | 6.363 ug/L |        |
| 21) 2-Butanone         | 7.15 | 43 | 12718m | 6.633 ug/L |        |

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

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