

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071519\  
 Data File : VW011268.D  
 Acq On : 15 Jul 2019 18:24  
 Operator : SY/VA  
 Sample : K3798-05  
 Misc : 4.11G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52G9

Quant Time: Jul 16 07:00:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 16 05:02:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 267598   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 202337   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 62577    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 60810    | 14.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.52%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 48054    | 16.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.04%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 109333   | 12.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 50.52%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 96846    | 60.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 120.34%  |
| 24) Chloroform-d               | 7.65   | 84    | 150866   | 20.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.28%   |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 103532   | 22.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.68%   |
| 29) Benzene-d6                 | 8.27   | 84    | 289980   | 23.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 93.04%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105015   | 25.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.48%  |
| 37) Toluene-d8                 | 10.32  | 98    | 224541   | 20.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.84%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39463    | 22.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.44%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 64484    | 69.27    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 138.54%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 89774    | 26.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 106.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 46898    | 19.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 78.08%   |

## Target Compounds

|                      |       |    |       |        | Ovalue   |
|----------------------|-------|----|-------|--------|----------|
| 13) Acetone          | 4.12  | 43 | 56408 | 35.879 | ug/L 98  |
| 14) Carbon disulfide | 4.38  | 76 | 9042  | 0.899  | ug/L 95  |
| 15) Methyl Acetate   | 4.67  | 43 | 33392 | 13.053 | ug/L 100 |
| 21) 2-Butanone       | 7.17  | 43 | 14722 | 7.254  | ug/L 97  |
| 44) Toluene          | 10.38 | 91 | 11462 | 0.876  | ug/L 99  |

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

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