

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW040819\  
 Data File : VW009818.D  
 Acq On : 08 Apr 2019 23:34  
 Operator : SY/VA  
 Sample : K2217-12  
 Misc : 3.64G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF602RE

Quant Time: Apr 09 02:40:58 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 02:37:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 412072   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 316051   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 72045    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 127680   | 23.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.72%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 121859   | 24.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.68%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 216513   | 18.67    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.68%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 87439    | 49.94    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.88%   |
| 24) Chloroform-d               | 7.64   | 84    | 330744   | 29.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 117.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 203952   | 29.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 118.16%  |
| 29) Benzene-d6                 | 8.27   | 84    | 584867   | 35.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 141.00%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 188510   | 36.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 147.16%# |
| 37) Toluene-d8                 | 10.32  | 98    | 462423   | 30.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 120.56%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 64289    | 26.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 105.20%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 52129    | 53.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.94%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 122783   | 25.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 70984    | 28.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.32%  |

## Target Compounds

|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                   | 4.12  | 43  | 3985  | 2.124 ug/L   | 89     |
| 16) Methylene chloride        | 4.91  | 84  | 11027 | 1.517 ug/L   | 93     |
| 45) trans-1,3-Dichloropropene | 10.57 | 75  | 3370  | 0.518 ug/L # | 79     |
| 47) Tetrachloroethene         | 10.87 | 164 | 1128  | 0.288 ug/L # | 73     |
| 49) 2-Hexanone                | 10.93 | 43  | 14995 | 5.326 ug/L # | 77     |

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

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