

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW033019\  
 Data File : VW009593.D  
 Acq On : 30 Mar 2019 16:33  
 Operator : SY/VA  
 Sample : K2167-08  
 Misc : 5.65G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF109

Quant Time: Mar 30 22:00:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 30 21:16:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 454184   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 428663   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 195178   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 158385   | 29.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 116.72% |
| 7) Chloroethane-d5             | 2.89   | 69    | 142118   | 22.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 257128   | 21.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 87.68%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 90326    | 40.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.48%  |
| 24) Chloroform-d               | 7.64   | 84    | 306168   | 24.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 98.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 188756   | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.12% |
| 29) Benzene-d6                 | 8.27   | 84    | 580193   | 24.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.16%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 177123   | 24.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.80%  |
| 37) Toluene-d8                 | 10.32  | 98    | 524105   | 23.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.92%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 79202    | 22.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 88.84%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 66946    | 38.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 153701   | 21.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 189802   | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.44% |

## Target Compounds

|                            |       |     |         |               | Qvalue |
|----------------------------|-------|-----|---------|---------------|--------|
| 12) 1,1-Dichloroethene     | 4.04  | 96  | 44728   | 7.997 ug/L #  | 34     |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 170009  | 26.689 ug/L   | 98     |
| 35) Trichloroethene        | 9.09  | 95  | 712822  | 114.017 ug/L  | 97     |
| 47) Tetrachloroethene      | 10.86 | 164 | 6857736 | 1298.193 ug/L | 95     |

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

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