

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW042919\  
 Data File : VW010207.D  
 Acq On : 30 Apr 2019 05:26  
 Operator : SY/VA  
 Sample : K2606-17  
 Misc : 4.67G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A5149

Manual Integrations  
 APPROVED

MMDadoda  
 5/2/2019 1:31:00 PM

Quant Time: Apr 30 07:58:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042919S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 29 15:05:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 486351   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 479848   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 217946   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 92568    | 16.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.08%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 85896    | 18.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.96%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 157770m  | 12.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.44%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 148731   | 73.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 146.18%# |
| 24) Chloroform-d               | 7.65   | 84    | 282478   | 22.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.64%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 181420   | 25.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.20%  |
| 29) Benzene-d6                 | 8.27   | 84    | 490796   | 18.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 75.96%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 173248   | 21.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.84%   |
| 37) Toluene-d8                 | 10.32  | 98    | 419133   | 17.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 71.36%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 72929    | 19.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.44%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 125752   | 74.13    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 148.26%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 212336   | 30.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 123.20%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 191554   | 23.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.64%   |

## Target Compounds

|                              |      |    |       |            | Ovalue |
|------------------------------|------|----|-------|------------|--------|
| 14) Carbon disulfide         | 4.37 | 76 | 18332 | 1.077 ug/L | 99     |
| 18) trans-1,2-Dichloroethene | 5.41 | 96 | 11410 | 1.829 ug/L | 95     |
| 22) cis-1,2-Dichloroethene   | 7.17 | 96 | 37415 | 5.546 ug/L | 98     |
| 35) Trichloroethene          | 9.09 | 95 | 8458  | 1.178 ug/L | 93     |

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

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