

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061719\  
 Data File : VW010822.D  
 Acq On : 17 Jun 2019 12:39  
 Operator : SY/VA  
 Sample : K3324-20  
 Misc : 3.66G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0JX7

Manual Integrations  
 APPROVED

MMDadoda  
 6/19/2019 12:33:23 AM

Quant Time: Jun 18 07:13:26 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM061119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 18 05:48:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 202125   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 88438    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 10274    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.34   | 65    | 74395    | 25.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.08%  |
| 7) Chloroethane-d5             | 2.88   | 69    | 67713    | 30.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 121.32%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 118715   | 19.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.80%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 87237    | 75.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 151.06%# |
| 24) Chloroform-d               | 7.65   | 84    | 106859   | 25.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 98919    | 29.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 276486   | 52.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 209.48%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 117663   | 69.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 277.84%# |
| 37) Toluene-d8                 | 10.32  | 98    | 163990   | 34.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 138.28%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 22384    | 29.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 118.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47864    | 118.26   | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 236.52%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 92437    | 64.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 257.68%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 13088    | 33.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 133.88%# |

## Target Compounds

|                              |       |     |        |              | Ovalue |
|------------------------------|-------|-----|--------|--------------|--------|
| 16) Methylene chloride       | 4.92  | 84  | 8024   | 2.893 ug/L   | 89     |
| 18) trans-1,2-Dichloroethene | 5.44  | 96  | 2468m  | 0.942 ug/L   |        |
| 22) cis-1,2-Dichloroethene   | 7.17  | 96  | 80907  | 27.132 ug/L  | 99     |
| 35) Trichloroethene          | 9.09  | 95  | 829661 | 595.171 ug/L | 99     |
| 47) Tetrachloroethene        | 10.87 | 164 | 546    | 0.523 ug/L   | 90     |

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

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