

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041119\  
 Data File : VW009913.D  
 Acq On : 11 Apr 2019 14:28  
 Operator : SY/VA  
 Sample : K2303-06  
 Misc : 5.80G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF8A1

Manual Integrations  
 APPROVED

MMDadoda  
 4/15/2019 12:30:26 AM

Quant Time: Apr 12 03:27:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 01:59:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 323705   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 349227   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 146159   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 73235    | 17.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.16%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 81200    | 20.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.68%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 152613   | 16.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.00%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 112007   | 81.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 162.88%# |
| 24) Chloroform-d               | 7.65   | 84    | 276770   | 31.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 125.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 204626m  | 37.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 150.92%# |
| 29) Benzene-d6                 | 8.27   | 84    | 506900   | 27.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.60%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 179061   | 31.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 126.48%# |
| 37) Toluene-d8                 | 10.32  | 98    | 436510   | 25.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 103.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 69575    | 25.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 69043    | 64.69    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 129.38%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 154807   | 29.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 117.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 178604   | 34.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 139.28%# |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.11 | 43 | 8669   | 5.883 ug/L | 92     |
| 16) Methylene chloride | 4.91 | 84 | 19015m | 3.331 ug/L |        |

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

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