

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\  
 Data File : VW009672.D  
 Acq On : 03 Apr 2019 22:11  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

MMDadoda  
 4/10/2019 8:53:26 AM

Quant Time: Apr 04 02:42:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 04 02:03:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 543153   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 512824   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 253315   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 214604   | 30.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.76%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 163151   | 25.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 100.24%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 335785   | 21.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 87.88%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 164853   | 71.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 142.88%# |
| 24) Chloroform-d               | 7.64   | 84    | 390705   | 26.36    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.44%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 250773m  | 27.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 110.24%  |
| 29) Benzene-d6                 | 8.27   | 84    | 768055   | 28.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 228667   | 27.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.00%  |
| 37) Toluene-d8                 | 10.32  | 98    | 698830   | 28.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 112.32%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 106593   | 26.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 107.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 105139   | 67.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 134.18%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 220266   | 28.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 113.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 255026   | 28.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 114.76%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 5316m | 2.150 ug/L |        |
| 16) Methylene chloride | 4.92 | 84 | 21936 | 2.290 ug/L | 91     |

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

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