

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040819\  
 Data File : VW009832.D  
 Acq On : 09 Apr 2019 10:46  
 Operator : SY/VA  
 Sample : K2303-01  
 Misc : 4.32G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF896

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 2:04:04 PM

Quant Time: Apr 23 03:59:37 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 00:56:07 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 474675   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 397418   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 132687   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 137475   | 22.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.52%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 128877   | 22.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.60%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 240076   | 17.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.88%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 100133   | 49.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.30%  |
| 24) Chloroform-d               | 7.65   | 84    | 334395   | 25.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 219636   | 27.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 110.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 602865   | 28.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 115.60% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 191707   | 29.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 119.00% |
| 37) Toluene-d8                 | 10.32  | 98    | 489034   | 25.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.40% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 76126    | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.08%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 62805    | 51.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 150696   | 25.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 117304   | 25.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.76% |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 4523   | 2.093 ug/L | 82     |
| 16) Methylene chloride | 4.92 | 84 | 18013m | 2.152 ug/L |        |

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

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