

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040319\  
 Data File : VW009682.D  
 Acq On : 04 Apr 2019 03:38  
 Operator : SY/VA  
 Sample : K2188-04  
 Misc : 4.54G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF660

Manual Integrations  
 APPROVED

MMDadoda  
 4/10/2019 8:53:48 AM

Quant Time: Apr 18 01:50:36 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  | 519168   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 481538   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 216736   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 184566   | 27.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.68% |
| 7) Chloroethane-d5             | 2.89   | 69    | 157501   | 25.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.20% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 295241   | 20.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 80.84%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 97010    | 43.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.96%  |
| 24) Chloroform-d               | 7.65   | 84    | 353715   | 24.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 217566   | 25.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.08% |
| 29) Benzene-d6                 | 8.27   | 84    | 700703   | 27.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.88% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 208705   | 26.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.92% |
| 37) Toluene-d8                 | 10.32  | 98    | 637884   | 27.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.16% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 88932    | 23.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 67593    | 45.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 156598   | 21.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 206724   | 27.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.72% |

| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 29465  | 12.467 ug/L | 94     |
| 16) Methylene chloride | 4.91 | 84 | 28910m | 3.157 ug/L  |        |
| 21) 2-Butanone         | 7.18 | 43 | 6683   | 2.223 ug/L  | 80     |

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

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