

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072018\  
 Data File : VW004091.D  
 Acq On : 20 Jul 2018 23:40  
 Operator : SY/AP  
 Sample : J4038-04  
 Misc : 6.32G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB1L9

Manual Integrations  
 APPROVED

MMDadoda  
 7/23/2018 1:27:57 PM

Quant Time: Jul 21 06:38:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 21 06:22:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 294643   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 278085   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 100225   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 52912    | 18.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.60%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 39546    | 18.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.32%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 95513m   | 13.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 54.64%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 44139    | 25.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 51.66%  |
| 24) Chloroform-d               | 7.65   | 84    | 161782   | 23.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 105492   | 25.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.16% |
| 29) Benzene-d6                 | 8.27   | 84    | 276565   | 21.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 105246   | 24.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.84%  |
| 37) Toluene-d8                 | 10.33  | 98    | 230661   | 19.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.60%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 34189    | 18.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 30272    | 26.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 52.28%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 113192   | 24.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.04%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 78444    | 24.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.36%  |

| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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