

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072918\  
 Data File : VW004290.D  
 Acq On : 28 Jul 2018 00:31  
 Operator : SY/AP  
 Sample : J4204-06  
 Misc : 4.81G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JJ1J3

Manual Integrations  
 APPROVED

MMDadoda  
 7/31/2018 10:32:51 AM

Quant Time: Jul 28 03:45:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072618S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 28 02:53:40 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 215415   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 176324   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 74874    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 87550    | 40.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 161.48%# |
| 7) Chloroethane-d5             | 2.89   | 69    | 69734    | 44.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 176.84%# |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 85984    | 16.61    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.44%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 32926    | 26.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 53.64%   |
| 24) Chloroform-d               | 7.65   | 84    | 119954   | 21.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.00%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 75800    | 22.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.40%   |
| 29) Benzene-d6                 | 8.28   | 84    | 228486   | 24.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.80%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 68246    | 21.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.84%   |
| 37) Toluene-d8                 | 10.33  | 98    | 210205   | 23.80    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.20%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 31705    | 22.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.88%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 27275    | 33.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.78%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 59369    | 18.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 74.80%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 64909    | 23.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.76%   |

| Target Compounds |      |    |       |       | Qvalue |
|------------------|------|----|-------|-------|--------|
| 13) Acetone      | 4.12 | 43 | 4168m | 3.362 | ug/L   |

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

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