

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071918\  
 Data File : VW004039.D  
 Acq On : 19 Jul 2018 16:55  
 Operator : VA/AP  
 Sample : J4037-01  
 Misc : 5.93G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEY44

Quant Time: Jul 20 06:50:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM071818S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jul 20 06:42:37 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 298144   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 255588   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 85526    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 69055    | 23.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 52468    | 24.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.72%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 119788   | 16.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 67.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 67167    | 38.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.68%  |
| 24) Chloroform-d               | 7.65   | 84    | 183396   | 25.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 112708   | 26.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 327321   | 27.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.44% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 114759   | 29.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.08% |
| 37) Toluene-d8                 | 10.33  | 98    | 271168   | 25.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.80% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43199    | 24.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 46953    | 44.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.22%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 105447   | 24.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.36%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 74312    | 27.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 108.08% |

| Target Compounds      |       |     |       |            | Qvalue |
|-----------------------|-------|-----|-------|------------|--------|
| 47) Tetrachloroethene | 10.87 | 164 | 21993 | 6.505 ug/L | 91     |

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

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