

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071918\  
 Data File : VW004041.D  
 Acq On : 19 Jul 2018 17:47  
 Operator : VA/AP  
 Sample : J4037-02  
 Misc : 5.59G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEY45

Quant Time: Jul 20 06:53:45 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  | 257840   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 242698   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 92539    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 58944    | 23.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.44%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 44176    | 24.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 101675   | 16.62    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.48%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 63167    | 42.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.48%  |
| 24) Chloroform-d               | 7.65   | 84    | 157698   | 25.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.08% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 99173    | 26.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.64% |
| 29) Benzene-d6                 | 8.27   | 84    | 278364   | 24.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 100183   | 26.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.72% |
| 37) Toluene-d8                 | 10.33  | 98    | 235794   | 23.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39425    | 23.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.56%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43986    | 43.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.04%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 108107   | 26.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.12% |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 82530    | 27.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.96% |

| Target Compounds      |       |     |      |            | Qvalue |
|-----------------------|-------|-----|------|------------|--------|
| 47) Tetrachloroethene | 10.87 | 164 | 8781 | 2.735 ug/L | 94     |

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

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