

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW071918\  
 Data File : VW004043.D  
 Acq On : 19 Jul 2018 18:38  
 Operator : VA/AP  
 Sample : J4037-04  
 Misc : 6.10G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BEY47

Quant Time: Jul 20 06:56:23 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  | 254751   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 183260   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 38699    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 65309    | 25.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 49444    | 27.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 106127   | 17.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.20%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 66847    | 45.24    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.48%   |
| 24) Chloroform-d               | 7.65   | 84    | 175095   | 28.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 115.84%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 102816   | 28.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.92%  |
| 29) Benzene-d6                 | 8.27   | 84    | 300939   | 35.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 141.64%# |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 110943   | 39.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 156.52%# |
| 37) Toluene-d8                 | 10.33  | 98    | 222138   | 29.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 116.32%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 29142    | 23.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.56%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 45526    | 59.65    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.30%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 96138    | 30.95    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 123.80%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.87  | 152   | 42483    | 34.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 136.56%# |

| Target Compounds           | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|----------------------------|-------|------|----------|---------|-------|--------|
| 22) cis-1,2-Dichloroethene | 7.17  | 96   | 62151    | 16.655  | ug/L  | 96     |
| 35) Trichloroethene        | 9.09  | 95   | 10266    | 3.416   | ug/L  | 96     |
| 47) Tetrachloroethene      | 10.87 | 164  | 279093   | 115.135 | ug/L  | 96     |

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

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