

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW072219\  
 Data File : VW011428.D  
 Acq On : 22 Jul 2019 19:04  
 Operator : SY/VA  
 Sample : K3863-12  
 Misc : 5.62G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52F2

Quant Time: Jul 23 05:35:59 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 23 04:55:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 407750   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 339655   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 123445   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 145677   | 26.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.04% |
| 7) Chloroethane-d5             | 2.89   | 69    | 105552   | 26.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.48% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 239689   | 19.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 77.76%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 126929   | 54.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 109.52% |
| 24) Chloroform-d               | 7.65   | 84    | 269567   | 25.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 172969   | 27.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 565829   | 27.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 111.44% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 186388   | 28.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 113.28% |
| 37) Toluene-d8                 | 10.32  | 98    | 467482   | 25.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.72% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 75447    | 26.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 106.16% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 93325    | 65.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 130.80% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 140544   | 26.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 106.88% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 112113   | 24.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.76%  |

## Target Compounds

|                    |      |    |       |             | Ovalue |
|--------------------|------|----|-------|-------------|--------|
| 13) Acetone        | 4.12 | 43 | 52512 | 21.413 ug/L | 94     |
| 15) Methyl Acetate | 4.67 | 43 | 8494  | 2.256 ug/L  | 94     |
| 21) 2-Butanone     | 7.17 | 43 | 6681  | 2.120 ug/L  | 87     |

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

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