

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081418\  
 Data File : VW004645.D  
 Acq On : 13 Aug 2018 14:20  
 Operator : SY/AP  
 Sample : J4421-07  
 Misc : 12.71G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AA6

Quant Time: Aug 14 01:41:00 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 14 01:20:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 760934   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 668886   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 202294   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 258641   | 27.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.32% |
| 7) Chloroethane-d5             | 2.90   | 69    | 215902   | 27.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 355731   | 18.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.04%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 159246   | 38.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.32%  |
| 24) Chloroform-d               | 7.65   | 84    | 514942   | 25.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 294383   | 25.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.52% |
| 29) Benzene-d6                 | 8.28   | 84    | 986304   | 27.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 110.88% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 332578   | 28.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 114.40% |
| 37) Toluene-d8                 | 10.33  | 98    | 787554   | 25.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 122009   | 25.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 102.04% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 119588   | 42.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 278769   | 22.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 197219   | 25.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.84% |

| Target Compounds       |      |    |       |           | Ovalue |
|------------------------|------|----|-------|-----------|--------|
| 16) Methylene chloride | 4.92 | 84 | 31976 | 2.12 ug/L | 96     |

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

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