

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081518\  
 Data File : VW004682.D  
 Acq On : 14 Aug 2018 23:28  
 Operator : SY/AP  
 Sample : J4421-10RE  
 Misc : 9.56G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AA8RE

Quant Time: Aug 16 01:34:48 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081418S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 14 12:36:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 140694   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 111247   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 27452    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 78969    | 35.31    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 141.24%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 63156    | 36.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 146.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 85075    | 20.80    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 83.20%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 40701    | 67.26    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 134.52%  |
| 24) Chloroform-d               | 7.65   | 84    | 121128   | 32.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 128.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 77604    | 38.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 155.40%# |
| 29) Benzene-d6                 | 8.28   | 84    | 215337   | 34.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 138.04%# |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 78904    | 40.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 162.88%# |
| 37) Toluene-d8                 | 10.33  | 98    | 138068   | 24.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 98.64%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 24813    | 31.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 126.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 24938    | 64.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 128.78%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 66608    | 36.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 146.56%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 27325    | 26.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 104.96%  |

| Target Compounds       |      |    |      |           | Ovalue |
|------------------------|------|----|------|-----------|--------|
| 13) Acetone            | 4.12 | 43 | 4661 | 8.39 ug/L | 100    |
| 16) Methylene chloride | 4.91 | 84 | 7204 | 2.56 ug/L | 97     |

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

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