

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091418\  
 Data File : VW005375.D  
 Acq On : 14 Sep 2018 02:41  
 Operator : SY/AP  
 Sample : J4865-12  
 Misc : 5.30G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB3P0

Quant Time: Sep 14 07:57:16 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091318S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 14 06:56:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 286663   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 282805   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 120607   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 80602    | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.44%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 64120    | 27.41    | ug/L | 0.01    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 109.64% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 109638   | 18.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 74.24%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 45530    | 36.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.08%  |
| 24) Chloroform-d               | 7.66   | 84    | 157293   | 29.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 117.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 106092   | 31.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 124.12% |
| 29) Benzene-d6                 | 8.28   | 84    | 311997   | 27.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.92% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 95456    | 29.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 117.80% |
| 37) Toluene-d8                 | 10.33  | 98    | 308075   | 26.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.16% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 44141    | 27.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 108.88% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 37452    | 37.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.22%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 84927    | 25.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 103549   | 28.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 114.44% |

| Target Compounds       |      |    |       |           | Ovalue |
|------------------------|------|----|-------|-----------|--------|
| 13) Acetone            | 4.16 | 43 | 4169  | 3.56 ug/L | 57     |
| 16) Methylene chloride | 4.92 | 84 | 10160 | 1.87 ug/L | 89     |

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

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