

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091418\  
 Data File : VW005377.D  
 Acq On : 14 Sep 2018 03:32  
 Operator : SY/AP  
 Sample : J4865-14  
 Misc : 4.58G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB3P2

Manual Integrations  
 APPROVED

MMDadoda  
 9/14/2018 4:58:43 PM

Quant Time: Sep 14 08:05:41 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  | 278925   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 259004   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 94123    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 81295    | 25.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.00%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 65318    | 28.70    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 114.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 109988   | 19.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.56%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 35140    | 28.98    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 57.96%   |
| 24) Chloroform-d               | 7.66   | 84    | 162522   | 31.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 124.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.32   | 65    | 109263   | 32.84    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 131.36%# |
| 29) Benzene-d6                 | 8.28   | 84    | 319101   | 30.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 122.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 96318    | 32.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 129.80%# |
| 37) Toluene-d8                 | 10.33  | 98    | 297611   | 28.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 113.00%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 41608    | 28.02    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 112.08%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 24380    | 26.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 52.76%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 78816    | 25.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 82806    | 29.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 117.24%  |

| Target Compounds       |      |    |        |      | Ovalue |
|------------------------|------|----|--------|------|--------|
| 16) Methylene chloride | 4.93 | 84 | 10518m | 1.99 | ug/L   |

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

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