

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW080218\  
 Data File : VW004424.D  
 Acq On : 03 Aug 2018 03:39  
 Operator : SY/AP  
 Sample : J4261-17  
 Misc : 3.18G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 E5FA2

Manual Integrations  
 APPROVED

MMDadoda  
 8/6/2018 5:18:29 PM

Quant Time: Aug 03 05:58:43 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM080218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 03 05:29:00 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 908048   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 918697   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 354825   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 340490   | 30.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.60% |
| 7) Chloroethane-d5             | 2.89   | 69    | 276224   | 29.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 116.28% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 471063   | 20.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 82.16%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 189213   | 38.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.00%  |
| 24) Chloroform-d               | 7.65   | 84    | 642339   | 26.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.52% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 370631m  | 27.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.16% |
| 29) Benzene-d6                 | 8.28   | 84    | 1255773  | 25.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 102.76% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 413991   | 25.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.68% |
| 37) Toluene-d8                 | 10.33  | 98    | 1069229  | 24.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.28%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 148777   | 22.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.60%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 140875   | 36.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.46%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70  | 84    | 365613   | 21.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 368427   | 27.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.60% |

| Target Compounds       |      |    |       |            | Qvalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.91 | 84 | 48978 | 2.716 ug/L | 95     |

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

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