

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102418\  
 Data File : VW006323.D  
 Acq On : 24 Oct 2018 16:52  
 Operator : SY/AP  
 Sample : J5635-21  
 Misc : 4.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A40F7

Quant Time: Oct 25 07:28:59 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100918S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 25 07:32:16 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 246771   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 227017   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 109256   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 52364    | 18.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 51203    | 21.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 80677    | 15.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.40%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 38252    | 41.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.94%  |
| 24) Chloroform-d               | 7.65   | 84    | 122541   | 22.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.68%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 72535    | 24.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.12%  |
| 29) Benzene-d6                 | 8.27   | 84    | 244063   | 23.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.72%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 74977    | 24.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.40%  |
| 37) Toluene-d8                 | 10.33  | 98    | 236589   | 22.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.80%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 28706    | 18.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.96%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 30448    | 40.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.02%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 69940    | 23.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.48%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 93676    | 25.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.08% |

| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 13) Acetone            | 4.13 | 43 | 9287 | 9.965 ug/L | 94     |
| 16) Methylene chloride | 4.91 | 84 | 6875 | 2.158 ug/L | 92     |

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

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