

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102020\  
 Data File : VW016947.D  
 Acq On : 20 Oct 2020 11:51  
 Operator : SY/VA  
 Sample : L4471-01  
 Misc : 5.55G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Oct 20 23:01:55 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 20 22:43:28 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 597385   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 512331   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 250092   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 122088   | 20.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.88%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 111575   | 22.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.28%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 196943   | 15.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.96%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 61273    | 45.90    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.80%  |
| 24) Chloroform-d               | 7.65   | 84    | 307141   | 24.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 150337   | 24.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.76%  |
| 29) Benzene-d6                 | 8.27   | 84    | 601707   | 25.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 103.44% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 172150   | 27.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.12% |
| 37) Toluene-d8                 | 10.32  | 98    | 556013   | 25.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.28% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 68170    | 24.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 98.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 50795    | 52.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.06% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 130933   | 25.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.68% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 211597   | 26.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.68% |

## Target Compounds

| Target Compounds            | R.T.  | QIon | Response | Conc    | Units | Ovalue |
|-----------------------------|-------|------|----------|---------|-------|--------|
| 13) Acetone                 | 4.14  | 43   | 2558m    | 2.532   | ug/L  |        |
| 16) Methylene chloride      | 4.92  | 84   | 13522m   | 1.640   | ug/L  |        |
| 17) Methyl tert-butyl Ether | 5.42  | 73   | 2153m    | 0.249   | ug/L  |        |
| 22) cis-1,2-Dichloroethene  | 7.17  | 96   | 2719     | 0.330   | ug/L  | 91     |
| 34) Benzene                 | 8.32  | 78   | 10144    | 0.369   | ug/L  | 100    |
| 35) Trichloroethene         | 9.09  | 95   | 158071   | 20.311  | ug/L  | 99     |
| 43) 4-Methyl-2-pentanone    | 10.21 | 43   | 3483     | 1.112   | ug/L  | 99     |
| 47) Tetrachloroethene       | 10.87 | 164  | 3248555  | 450.247 | ug/L  | 94     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102020\  
Data File : VW016947.D  
Acq On : 20 Oct 2020 11:51  
Operator : SY/VA  
Sample : L4471-01  
Misc : 5.55G/10ML/MSVOA W/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Oct 20 23:01:55 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 20 22:43:28 2020  
Response via : Initial Calibration

