

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102920\  
 Data File : VW017024.D  
 Acq On : 29 Oct 2020 13:40  
 Operator : SY/VA  
 Sample : L4502-19  
 Misc : 5.97G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG442

Manual Integrations  
 APPROVED

MMDadoda  
 11/4/2020 11:31:06 AM

Quant Time: Oct 30 00:45:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM102220S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 30 01:03:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 836648   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 668769   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 281084   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 147872   | 15.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 118439   | 15.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.32%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 219783   | 11.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 46.80%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 54225m   | 29.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 59.62%  |
| 24) Chloroform-d               | 7.65   | 84    | 299011   | 15.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 61.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 142177   | 15.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 62.60%# |
| 29) Benzene-d6                 | 8.27   | 84    | 619201   | 18.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 72.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 167429   | 18.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 72.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 565973   | 17.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 66157    | 16.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 67.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 44894    | 34.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.96%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 110940   | 15.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 62.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 167282   | 16.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 67.72%# |

## Target Compounds

|                            |       |     |           |               | Ovalue |
|----------------------------|-------|-----|-----------|---------------|--------|
| 12) 1,1-Dichloroethene     | 4.04  | 96  | 13397     | 1.223 ug/L #  | 1      |
| 13) Acetone                | 4.13  | 43  | 5138      | 4.198 ug/L    | 93     |
| 14) Carbon disulfide       | 4.39  | 76  | 8162      | 0.246 ug/L    | 95     |
| 16) Methylene chloride     | 4.92  | 84  | 9032      | 0.817 ug/L    | 94     |
| 22) cis-1,2-Dichloroethene | 7.17  | 96  | 10980     | 0.948 ug/L    | 93     |
| 34) Benzene                | 8.32  | 78  | 75924     | 2.055 ug/L    | 100    |
| 35) Trichloroethene        | 9.09  | 95  | 1575563   | 153.983 ug/L  | 99     |
| 47) Tetrachloroethene      | 10.87 | 164 | 22740515m | 2416.076 ug/L |        |
| 64) 1,4-Dichlorobenzene    | 13.58 | 146 | 4504      | 0.249 ug/L    | 88     |
| 65) 1,2-Dichlorobenzene    | 13.87 | 146 | 4615      | 0.288 ug/L #  | 87     |

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

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