

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\  
 Data File : VW017538.D  
 Acq On : 03 Dec 2020 17:09  
 Operator : SY/VA  
 Sample : L4920-15  
 Misc : 5.76G/10ML/MSVOA W/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4G1

Manual Integrations  
 APPROVED

MMDadoda  
 12/21/2020 1:35:27 PM

Quant Time: Dec 20 01:34:28 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 00:31:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 423438   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 375250   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 156722   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 90111    | 16.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.72%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 81556    | 17.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 154931   | 12.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.96%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 63608    | 54.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.30% |
| 24) Chloroform-d               | 7.65   | 84    | 239156   | 19.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 130795m  | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.64%  |
| 29) Benzene-d6                 | 8.27   | 84    | 449424   | 19.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 77.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 136799   | 21.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.68%  |
| 37) Toluene-d8                 | 10.32  | 98    | 398571   | 18.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.88%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56275    | 19.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.88%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 40844    | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.36% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 108687   | 23.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 123161   | 21.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.92%  |

## Target Compounds

| Target Compounds            | R.T.  | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------------|-------|------|----------|--------|--------|--------|
| 5) Vinyl chloride           | 2.37  | 62   | 7611     | 1.482  | ug/L # | 67     |
| 13) Acetone                 | 4.14  | 43   | 5711     | 5.053  | ug/L   | 85     |
| 14) Carbon disulfide        | 4.40  | 76   | 4615m    | 0.275  | ug/L   |        |
| 16) Methylene chloride      | 4.93  | 84   | 26972    | 4.243  | ug/L   | 97     |
| 17) Methyl tert-butyl Ether | 5.43  | 73   | 19796    | 3.135  | ug/L # | 89     |
| 35) Trichloroethene         | 9.10  | 95   | 1594     | 0.255  | ug/L # | 69     |
| 47) Tetrachloroethene       | 10.87 | 164  | 66630    | 12.507 | ug/L   | 98     |

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

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