

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120720\  
 Data File : VW017575.D  
 Acq On : 07 Dec 2020 13:32  
 Operator : SY/VA  
 Sample : L4955-10  
 Misc : 5.06G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 04:11:07 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 03:53:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 415485   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 371922   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 172543   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 95540    | 17.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 86943    | 18.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 173314   | 14.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.96%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 59159    | 51.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 102.66% |
| 24) Chloroform-d               | 7.65   | 84    | 268781   | 22.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.08%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 139845m  | 24.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 29) Benzene-d6                 | 8.28   | 84    | 499332   | 21.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.32%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 149475   | 23.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.48%  |
| 37) Toluene-d8                 | 10.33  | 98    | 449694   | 21.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 86.36%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 59690    | 21.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 36085    | 46.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.14%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 112221   | 24.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 142840   | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.44%  |

## Target Compounds

|                        |      |    |       |              | Ovalue |
|------------------------|------|----|-------|--------------|--------|
| 5) Vinyl chloride      | 2.37 | 62 | 3050  | 0.605 ug/L # | 1      |
| 13) Acetone            | 4.14 | 43 | 7911  | 7.133 ug/L   | 53     |
| 14) Carbon disulfide   | 4.39 | 76 | 34485 | 2.093 ug/L   | 100    |
| 16) Methylene chloride | 4.92 | 84 | 27037 | 4.334 ug/L   | 95     |

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

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