

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW052220\  
 Data File : VW015452.D  
 Acq On : 22 May 2020 15:05  
 Operator : SY/VA  
 Sample : L2753-04  
 Misc : 5.85G/10.0mL/MSVOA W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: May 23 05:25:32 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM050420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 23 03:53:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 299752   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 223877   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 56733    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |        |       |          |          |      |          |
|----------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3             | 2.36   | 65    | 55131    | 14.70    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 58.80%   |
| 7) Chloroethane-d5               | 2.90   | 69    | 70106    | 19.39    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 77.56%   |
| 10) 1,1-Dichloroethene-d2        | 4.01   | 63    | 109629   | 14.37    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 45 - 110 | Recovery | =    | 57.48%   |
| 20) 2-Butanone-d5                | 7.08   | 46    | 76917    | 76.78    | ug/L | 0.00     |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 153.56%# |
| 24) Chloroform-d                 | 7.65   | 84    | 178816   | 23.62    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 40 - 150 | Recovery | =    | 94.48%   |
| 26) 1,2-Dichloroethane-d4        | 8.31   | 65    | 116524   | 27.76    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 70 - 130 | Recovery | =    | 111.04%  |
| 29) Benzene-d6                   | 8.27   | 84    | 327241   | 26.72    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 20 - 135 | Recovery | =    | 106.88%  |
| 33) 1,2-Dichloropropane-d6       | 9.27   | 67    | 110560   | 29.78    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 70 - 120 | Recovery | =    | 119.12%  |
| 37) Toluene-d8                   | 10.32  | 98    | 280582   | 23.82    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 130 | Recovery | =    | 95.28%   |
| 38) trans-1,3-Dichloropropene-   | 10.58  | 79    | 48611    | 28.77    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 135 | Recovery | =    | 115.08%  |
| 39) 2-Hexanone-d5                | 10.93  | 63    | 60979    | 88.92    | ug/L | 0.00     |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 177.84%# |
| 48) 1,1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 98077    | 35.08    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 45 - 120 | Recovery | =    | 140.32%# |
| 61) 1,2-Dichlorobenzene-d4       | 13.85  | 152   | 49447    | 24.86    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 75 - 120 | Recovery | =    | 99.44%   |

## Target Compounds

|                       |       |     |       |              | Ovalue |
|-----------------------|-------|-----|-------|--------------|--------|
| 13) Acetone           | 4.12  | 43  | 13805 | 18.199 ug/L  | 98     |
| 14) Carbon disulfide  | 4.38  | 76  | 7832  | 0.701 ug/L   | 95     |
| 15) Methyl Acetate    | 4.68  | 43  | 1707m | 1.029 ug/L   |        |
| 21) 2-Butanone        | 7.18  | 43  | 3133  | 2.747 ug/L # | 54     |
| 35) Trichloroethene   | 9.09  | 95  | 3551  | 1.012 ug/L   | 97     |
| 44) Toluene           | 10.38 | 91  | 26833 | 1.874 ug/L   | 98     |
| 47) Tetrachloroethene | 10.86 | 164 | 2173  | 0.825 ug/L   | 88     |

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

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