

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072720\  
 Data File : VW015962.D  
 Acq On : 27 Jul 2020 11:21  
 Operator : SY/VA  
 Sample : L3458-01  
 Misc : 5.37G/10ML/MSVOA W/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAY29

Quant Time: Jul 28 01:53:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jul 28 01:36:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 368451   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 343589   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 152359   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 95329    | 18.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.36%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 73279    | 17.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.40%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 146515   | 13.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.76%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 119370   | 87.41    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 174.82%# |
| 24) Chloroform-d               | 7.65   | 84    | 187670   | 18.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 72.56%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 119717   | 21.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 84.28%   |
| 29) Benzene-d6                 | 8.27   | 84    | 383207   | 18.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 73.28%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 119832   | 19.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 76.44%   |
| 37) Toluene-d8                 | 10.32  | 98    | 334170   | 17.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.56%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 55135    | 20.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.52%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 90692    | 86.87    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 173.74%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 143243   | 29.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 118.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 119952   | 20.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 80.76%   |

## Target Compounds

|                        |       |    |       |        | Ovalue   |
|------------------------|-------|----|-------|--------|----------|
| 13) Acetone            | 4.13  | 43 | 31813 | 27.738 | ug/L 96  |
| 15) Methyl Acetate     | 4.68  | 43 | 13707 | 6.339  | ug/L 99  |
| 16) Methylene chloride | 4.92  | 84 | 13048 | 2.161  | ug/L 93  |
| 21) 2-Butanone         | 7.18  | 43 | 5030  | 3.547  | ug/L 83  |
| 44) Toluene            | 10.39 | 91 | 8385  | 0.383  | ug/L 100 |

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

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