

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\  
 Data File : VW016828.D  
 Acq On : 07 Oct 2020 12:07  
 Operator : SY/VA  
 Sample : L4235-17RE  
 Misc : 3.82G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AQ3RE

Manual Integrations  
 APPROVED

MMDadoda  
 10/12/2020 1:55:23 PM

Quant Time: Oct 08 09:01:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 08:32:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 529873   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 392364   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 98667    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 157018   | 30.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.16%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 131573   | 30.01    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 225581   | 20.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.28%   |
| 20) 2-Butanone-d5              | 7.09   | 46    | 43550    | 36.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.56%   |
| 24) Chloroform-d               | 7.65   | 84    | 296067   | 26.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.92%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 143588   | 26.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.36%  |
| 29) Benzene-d6                 | 8.28   | 84    | 605321   | 33.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 135.88%# |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 159586   | 33.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 133.28%# |
| 37) Toluene-d8                 | 10.33  | 98    | 536803   | 31.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 127.68%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 49848    | 23.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 94.40%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 34911    | 47.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 94.28%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 82720    | 21.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.52%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 80012    | 25.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.28%  |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Ovalue |
|------------------------|------|------|----------|--------|-------|--------|
| 13) Acetone            | 4.14 | 43   | 14238    | 15.891 | ug/L  | 98     |
| 14) Carbon disulfide   | 4.38 | 76   | 5538m    | 0.282  | ug/L  |        |
| 16) Methylene chloride | 4.93 | 84   | 5700     | 0.779  | ug/L  | 83     |
| 21) 2-Butanone         | 7.18 | 43   | 6148m    | 4.087  | ug/L  |        |

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

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