

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW103119\  
 Data File : VW013871.D  
 Acq On : 31 Oct 2019 21:16  
 Operator : SY/VA  
 Sample : K5596-17  
 Misc : 3.88G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQB8

Quant Time: Nov 01 05:30:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM103119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Nov 01 02:10:29 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 249639   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 228711   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 100525   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 75015    | 19.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.96%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 58663    | 19.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 110317   | 14.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.04%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 82970    | 62.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 124.24% |
| 24) Chloroform-d               | 7.65   | 84    | 162477   | 21.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.08%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 97599    | 23.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 93.96%  |
| 29) Benzene-d6                 | 8.27   | 84    | 328378   | 22.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.64%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 106785   | 24.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 288868   | 20.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.56%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 41741    | 20.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.20%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 65336    | 63.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 127.82% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 112629   | 27.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 111.60% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 86081    | 22.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.96%  |

| Target Compounds   |      |    |       |             | Qvalue |
|--------------------|------|----|-------|-------------|--------|
| 13) Acetone        | 4.12 | 43 | 53364 | 42.690 ug/L | 99     |
| 15) Methyl Acetate | 4.67 | 43 | 10033 | 4.359 ug/L  | 98     |
| 21) 2-Butanone     | 7.17 | 43 | 7782  | 4.339 ug/L  | 95     |

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

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