

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW091219\  
 Data File : VW012942.D  
 Acq On : 12 Sep 2019 18:58  
 Operator : SY/VA  
 Sample : K4811-08  
 Misc : 6.14G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOG7

Quant Time: Sep 13 04:05:49 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM091219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 13 02:47:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 325869   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 284102   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 124170   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 71025    | 21.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.72%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 54691    | 20.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.16%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 119705   | 15.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.08%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 88508    | 72.22    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 144.44%# |
| 24) Chloroform-d               | 7.64   | 84    | 170184   | 20.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.60%   |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 105558   | 23.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.92%   |
| 29) Benzene-d6                 | 8.27   | 84    | 308658   | 21.29    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.16%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105957   | 22.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.56%   |
| 37) Toluene-d8                 | 10.32  | 98    | 287012   | 20.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.16%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 48402    | 22.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.84%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 60567    | 67.08    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 134.16%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 103472   | 28.65    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 114.60%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 106764   | 22.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.28%   |

| Target Compounds | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------|------|------|----------|-------|-------|--------|
| 13) Acetone      | 4.13 | 43   | 5997     | 5.679 | ug/L  | 78     |

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

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