

Data File : VW014456.D  
Acq On : 19 Dec 2019 11:39  
Operator : SY/VA  
Sample : VW1219SBL01  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Dec 20 01:20:06 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Dec 20 01:12:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 929194   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 843456   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 358098   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 257588   | 18.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.24%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 219903   | 21.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.08%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 381018   | 15.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.32%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 186905   | 50.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.94% |
| 24) Chloroform-d               | 7.65   | 84    | 534434m  | 22.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 293124   | 23.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.52%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1089062  | 22.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 344959   | 22.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.72%  |
| 37) Toluene-d8                 | 10.32  | 98    | 951351   | 21.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.12%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 129819   | 20.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.40%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 133146   | 44.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.06%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 279659   | 22.57    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 315741   | 23.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.28%  |

| Target Compounds |      |    |       |            | Qvalue |
|------------------|------|----|-------|------------|--------|
| 13) Acetone      | 4.12 | 43 | 15897 | 4.497 ug/L | 100    |

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

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