

Data File : VW014094.D  
Acq On : 22 Nov 2019 14:47  
Operator : SY/VA  
Sample : K5989-04  
Misc : 5.87G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Nov 22 23:17:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Nov 22 23:01:18 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 310739   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 249192   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 89819    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 96943    | 19.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.20%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 92106    | 22.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.68%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 159648   | 15.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.76%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 65213    | 45.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.56%   |
| 24) Chloroform-d               | 7.65   | 84    | 244546   | 25.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 102.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 123474   | 25.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.80%  |
| 29) Benzene-d6                 | 8.27   | 84    | 504827   | 28.55    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.20%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 155550   | 30.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 120.12%# |
| 37) Toluene-d8                 | 10.32  | 98    | 424355   | 25.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.24%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 47976    | 21.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.52%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 45721    | 46.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.10%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 101593   | 25.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 96051    | 26.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.48%  |

| Target Compounds       |       |     |         |        | Qvalue    |
|------------------------|-------|-----|---------|--------|-----------|
| 16) Methylene chloride | 4.92  | 84  | 9696m   | 1.621  | ug/L      |
| 36) Methylcyclohexane  | 9.34  | 83  | 4966    | 0.568  | ug/L # 82 |
| 44) Toluene            | 10.38 | 91  | 1099959 | 55.195 | ug/L 98   |
| 54) m,p-Xylene         | 11.83 | 106 | 4537    | 0.534  | ug/L 91   |

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

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