

Data File : VW011135.D  
Acq On : 03 Jul 2019 10:58  
Operator : SY/VA  
Sample : K3599-08  
Misc : 4.99G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
GAM17

Quant Time: Jul 03 23:28:47 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Jul 03 23:17:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 317871   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 286842   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 134178   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 81921    | 16.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.52% |
| 7) Chloroethane-d5             | 2.89   | 69    | 63613    | 18.68    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.72% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 147187   | 14.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.28% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 63296    | 33.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.22% |
| 24) Chloroform-d               | 7.65   | 84    | 180054   | 20.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.68% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 105672   | 19.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 78.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 370207   | 20.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 83.80% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 123306   | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.72% |
| 37) Toluene-d8                 | 10.32  | 98    | 325571   | 20.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.68% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 42357    | 17.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.24% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 40195    | 30.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 86795    | 18.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 72.92% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 111173   | 21.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.36% |

| Target Compounds |      |    |       |             | Qvalue |
|------------------|------|----|-------|-------------|--------|
| 13) Acetone      | 4.12 | 43 | 21424 | 11.472 ug/L | 95     |

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

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