

Data File : VW009538.D  
Acq On : 28 Mar 2019 15:13  
Operator : SY/VA  
Sample : K2084-06  
Misc : 4.29G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :

Quant Time: Mar 29 07:03:39 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 29 05:35:33 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 351803   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 350317   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 159462   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 126037   | 29.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 119.92% |
| 7) Chloroethane-d5             | 2.89   | 69    | 107974   | 21.95    | ug/L | 0.02    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 181572m  | 19.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 79.92%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 79871    | 45.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.88%  |
| 24) Chloroform-d               | 7.65   | 84    | 221736   | 23.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.40%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 137483   | 23.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.08%  |
| 29) Benzene-d6                 | 8.27   | 84    | 425745   | 22.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.16%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 128726   | 22.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.72%  |
| 37) Toluene-d8                 | 10.32  | 98    | 374278   | 20.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.80%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 56869    | 19.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.04%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 51307    | 36.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.02%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 125386   | 21.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.76%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 138630   | 22.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.68%  |

| Target Compounds       |      |    |       |       | Qvalue |
|------------------------|------|----|-------|-------|--------|
| 13) Acetone            | 4.12 | 43 | 7518m | 5.273 | ug/L   |
| 16) Methylene chloride | 4.92 | 84 | 37474 | 7.305 | ug/L   |

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

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