

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\  
 Data File : VW009428.D  
 Acq On : 25 Mar 2019 15:14  
 Operator : SY/VA  
 Sample : K2031-16  
 Misc : 5.97G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Mar 26 08:52:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 26 07:46:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 449547   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 367233   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 109638   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 108221   | 20.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.60%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 120792   | 19.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 180163   | 15.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.08%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 109865   | 49.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.90%  |
| 24) Chloroform-d               | 7.64   | 84    | 283585   | 23.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.48%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 176304   | 23.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.44%  |
| 29) Benzene-d6                 | 8.27   | 84    | 501695   | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 161151   | 26.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 105.96% |
| 37) Toluene-d8                 | 10.32  | 98    | 419588   | 22.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 89.64%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 67162    | 21.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.92%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 79844    | 54.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.40% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 132158   | 22.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 88.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 88950    | 21.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.64%  |

## Target Compounds

|                        |       |     |        |        | Ovalue  |
|------------------------|-------|-----|--------|--------|---------|
| 13) Acetone            | 4.12  | 43  | 43627  | 23.946 | ug/L 99 |
| 14) Carbon disulfide   | 4.38  | 76  | 17514  | 1.176  | ug/L 99 |
| 16) Methylene chloride | 4.92  | 84  | 28707m | 4.379  | ug/L    |
| 53) Ethylbenzene       | 11.74 | 91  | 8122   | 0.329  | ug/L 95 |
| 54) m,p-Xylene         | 11.83 | 106 | 15075  | 1.606  | ug/L 95 |
| 55) o-xylene           | 12.16 | 106 | 7902   | 0.863  | ug/L 95 |

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

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