

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\  
 Data File : VW009320.D  
 Acq On : 21 Mar 2019 12:03  
 Operator : SY/VA  
 Sample : K1988-17  
 Misc : 5.39G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0C9

Manual Integrations  
 APPROVED

MMDadoda  
 3/23/2019 3:00:33 AM

Quant Time: Mar 24 14:21:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 22 09:38:27 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 363588   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 312903   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 97762    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 131014   | 30.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 120.60%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 129572   | 25.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 199145   | 21.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 84.84%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 78594    | 43.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.48%   |
| 24) Chloroform-d               | 7.65   | 84    | 275366   | 27.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 111.00%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 157861   | 26.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.64%  |
| 29) Benzene-d6                 | 8.27   | 84    | 513017   | 29.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 118.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 156037   | 30.11    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 120.44%# |
| 37) Toluene-d8                 | 10.32  | 98    | 429867   | 26.94    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 40113    | 15.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 61.64%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 52612    | 41.91    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.82%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 122060   | 23.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 95.64%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 100667   | 26.85    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 107.40%  |

## Target Compounds

|                            |      |    |        |        | Ovalue   |
|----------------------------|------|----|--------|--------|----------|
| 13) Acetone                | 4.12 | 43 | 52646  | 35.728 | ug/L 100 |
| 14) Carbon disulfide       | 4.38 | 76 | 53451  | 4.436  | ug/L 99  |
| 16) Methylene chloride     | 4.92 | 84 | 8196m  | 1.546  | ug/L     |
| 21) 2-Butanone             | 7.17 | 43 | 14877  | 7.312  | ug/L 98  |
| 22) cis-1,2-Dichloroethene | 7.17 | 96 | 11834m | 2.321  | ug/L     |

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

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