

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\  
 Data File : VW009808.D  
 Acq On : 08 Apr 2019 18:57  
 Operator : SY/VA  
 Sample : K2259-02RE  
 Misc : 4.29G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETJ41RE

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 2:02:06 PM

Quant Time: Apr 15 04:47:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 09 02:37:30 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 411051   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 334262   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 101143   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 130901   | 24.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.36%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 114001   | 23.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.52%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 217786   | 18.83    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 75.32%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 120527   | 69.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 138.02%# |
| 24) Chloroform-d               | 7.64   | 84    | 298276   | 26.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 193431m  | 28.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.36%  |
| 29) Benzene-d6                 | 8.27   | 84    | 546054   | 31.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 124.48%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 171050   | 31.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 126.24%# |
| 37) Toluene-d8                 | 10.32  | 98    | 443800   | 27.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 109.40%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 70760    | 27.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 109.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 71531    | 70.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 140.04%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 136916   | 27.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 108.68%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 95402    | 26.88    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 107.52%  |

| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 69395  | 37.085 ug/L | 99     |
| 16) Methylene chloride | 4.90 | 84 | 25146m | 3.469 ug/L  |        |
| 21) 2-Butanone         | 7.16 | 43 | 25830  | 10.854 ug/L | 95     |

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

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