

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW040819\  
 Data File : VW009822.D  
 Acq On : 09 Apr 2019 01:25  
 Operator : SY/VA  
 Sample : K2217-19RE  
 Misc : 4.85G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF609RE

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 2:03:20 PM

Quant Time: Apr 18 04:49:43 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  | 180923   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 84305    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 9147     | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 68346    | 28.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 115.48%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 72730    | 33.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 134.12%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 121015   | 23.77    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 95.08%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 84710    | 110.20   | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 220.40%# |
| 24) Chloroform-d               | 7.65   | 84    | 213202   | 43.19    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 172.76%# |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 104033   | 34.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 137.28%# |
| 29) Benzene-d6                 | 8.27   | 84    | 328039   | 74.12    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 296.48%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 122883   | 89.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 359.60%# |
| 37) Toluene-d8                 | 10.32  | 98    | 165061   | 40.34    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 161.36%# |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 10689    | 16.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 65.60%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 27280    | 105.88   | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 211.76%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 95977    | 75.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 302.08%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 15324    | 47.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 190.96%# |

| Target Compounds       |      |    |        |              | Ovalue |
|------------------------|------|----|--------|--------------|--------|
| 13) Acetone            | 4.12 | 43 | 9336   | 11.335 ug/L  | 83     |
| 16) Methylene chloride | 4.91 | 84 | 18750m | 5.876 ug/L   |        |
| 35) Trichloroethene    | 9.09 | 95 | 805    | 0.606 ug/L # | 85     |

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

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