

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\  
 Data File : VW009819.D  
 Acq On : 09 Apr 2019 00:02  
 Operator : SY/VA  
 Sample : K2217-13RE  
 Misc : 5.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF603RE

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 2:03:10 PM

Quant Time: Apr 09 05:57:56 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  | 333047   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 316240   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 115319   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 95578m   | 21.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.72%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 89615    | 22.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.76%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 167010   | 17.82    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.28%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 118883   | 84.01    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 168.02%# |
| 24) Chloroform-d               | 7.64   | 84    | 252065   | 27.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 110.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 180190   | 32.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 129.20%  |
| 29) Benzene-d6                 | 8.27   | 84    | 445022   | 26.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.24%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 149934   | 29.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 116.96%  |
| 37) Toluene-d8                 | 10.32  | 98    | 375978   | 24.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.96%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 61584    | 25.18    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.72%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 67255    | 69.59    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 139.18%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 161443   | 33.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 135.48%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 119946   | 29.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.56%  |

| Target Compounds       |       |    |        |            | Ovalue |
|------------------------|-------|----|--------|------------|--------|
| 13) Acetone            | 4.13  | 43 | 6983   | 4.606 ug/L | 91     |
| 16) Methylene chloride | 4.92  | 84 | 22609m | 3.849 ug/L |        |
| 44) Toluene            | 10.39 | 91 | 9750   | 0.484 ug/L | 91     |

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

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