

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\  
 Data File : VW009872.D  
 Acq On : 10 Apr 2019 09:39  
 Operator : SY/VA  
 Sample : K2278-24  
 Misc : 5.04G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB701

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 2:07:24 PM

Quant Time: Apr 11 01:36:33 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 08:15:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 418060   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 421940   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 169215   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 101877   | 18.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.48%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 106105   | 21.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.68%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 200600m  | 17.05    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.20%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 121081   | 68.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 136.34%# |
| 24) Chloroform-d               | 7.65   | 84    | 335192   | 29.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 117.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 228158   | 32.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 130.32%# |
| 29) Benzene-d6                 | 8.27   | 84    | 586777   | 26.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 105.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 200545   | 29.31    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 117.24%  |
| 37) Toluene-d8                 | 10.32  | 98    | 507503   | 24.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.12%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 80467    | 24.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 98.64%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 79816    | 61.90    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 123.80%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 193740   | 30.46    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 121.84%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 188749   | 31.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 127.16%# |

| Target Compounds       |      |    |        | Ovalue     |
|------------------------|------|----|--------|------------|
| 13) Acetone            | 4.12 | 43 | 7384m  | 3.880 ug/L |
| 16) Methylene chloride | 4.92 | 84 | 17059m | 2.314 ug/L |

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

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