

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041119\  
 Data File : VW009930.D  
 Acq On : 11 Apr 2019 23:50  
 Operator : SY/VA  
 Sample : K2278-18  
 Misc : 5.50G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB6Z0

Manual Integrations  
 APPROVED

MMDadoda  
 4/15/2019 12:30:38 AM

Quant Time: Apr 12 04:57:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 12 04:36:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 241006   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 272762   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 116819   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 49140    | 15.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 62.32%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 52458    | 18.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.64%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 97707    | 14.41    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.64%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 70068    | 68.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 136.86%# |
| 24) Chloroform-d               | 7.65   | 84    | 197244   | 29.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 119.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 141151   | 34.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 139.84%# |
| 29) Benzene-d6                 | 8.27   | 84    | 326588   | 22.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.24%   |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 122868   | 27.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 111.12%  |
| 37) Toluene-d8                 | 10.32  | 98    | 273996   | 20.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.80%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 51409    | 24.37    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.48%   |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43928    | 52.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.40%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123492   | 30.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.12%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 121748   | 29.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.80%  |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 4129   | 3.763 ug/L | 75     |
| 16) Methylene chloride | 4.90 | 84 | 15762m | 3.708 ug/L |        |

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

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