

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040819\  
 Data File : VW009864.D  
 Acq On : 10 Apr 2019 06:01  
 Operator : SY/VA  
 Sample : K2278-02  
 Misc : 5.17G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB6W9

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 2:06:44 PM

Quant Time: Apr 10 06:49:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Apr 10 06:04:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 483113   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 475065   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 198171   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 111917   | 17.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.80%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 114209   | 19.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.88%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 217509   | 16.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.00%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 119488   | 58.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 116.42% |
| 24) Chloroform-d               | 7.65   | 84    | 342397   | 25.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.88% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 228550   | 28.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.96% |
| 29) Benzene-d6                 | 8.27   | 84    | 609867   | 24.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 199345   | 25.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 528346   | 22.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 91.64%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 80636    | 21.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.80%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 75333    | 51.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 103.78% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 188357   | 26.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 191557   | 27.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 110.20% |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 8525   | 3.876 ug/L | 75     |
| 16) Methylene chloride | 4.92 | 84 | 16561m | 1.944 ug/L |        |

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

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