

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030119\  
 Data File : VW008919.D  
 Acq On : 01 Mar 2019 13:28  
 Operator : SY/VA  
 Sample : K1657-02  
 Misc : 5.92G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DB648

Manual Integrations  
 APPROVED

MMDadoda  
 3/5/2019 11:47:20 PM

Quant Time: Mar 02 03:15:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM022019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Mar 02 02:55:16 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 330273   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 295393   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 115538   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 139054   | 27.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 129584   | 28.09    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 112.36%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 175741   | 20.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 82.28%   |
| 20) 2-Butanone-d5              | 7.08   | 46    | 73037m   | 47.67    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 95.34%   |
| 24) Chloroform-d               | 7.65   | 84    | 207088   | 25.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 103.72%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 129495   | 27.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 109.88%  |
| 29) Benzene-d6                 | 8.27   | 84    | 443196   | 31.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 125.00%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 128421   | 30.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 123.64%# |
| 37) Toluene-d8                 | 10.32  | 98    | 422429   | 29.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 119.00%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 52124    | 25.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.16%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 54926    | 48.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 97.06%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 105433   | 25.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 101.12%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 117460   | 28.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 114.12%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.14 | 43 | 3495  | 2.405 ug/L | 61     |
| 16) Methylene chloride | 4.92 | 84 | 12780 | 2.393 ug/L | 85     |

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

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