

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009473.D  
 Acq On : 26 Mar 2019 19:32  
 Operator : SY/VA  
 Sample : VW0326SBL02  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VBLK98

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2019 12:37:01 PM

Quant Time: Mar 27 08:12:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 27 08:01:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 406900   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 396674   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 180011   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 106915   | 21.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.96%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 111637   | 19.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.48%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 174373   | 16.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 66.36%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 106501   | 52.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.92% |
| 24) Chloroform-d               | 7.64   | 84    | 255522   | 23.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 161507   | 24.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.56%  |
| 29) Benzene-d6                 | 8.27   | 84    | 476021   | 21.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.04%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 148099   | 22.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 433755   | 21.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 67509    | 20.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.84%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 78996    | 49.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 99.28%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 150265   | 23.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 165262   | 23.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.76%  |

| Target Compounds       |      |    |        |            | Ovalue |
|------------------------|------|----|--------|------------|--------|
| 13) Acetone            | 4.13 | 43 | 4342   | 2.633 ug/L | 79     |
| 16) Methylene chloride | 4.91 | 84 | 12300m | 2.073 ug/L |        |

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

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