

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041919\  
 Data File : VW010073.D  
 Acq On : 19 Apr 2019 19:34  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK

Manual Integrations  
 APPROVED

MMDadoda  
 4/23/2019 6:57:08 AM

Quant Time: Apr 20 05:48:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM041519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 20 03:50:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 776764   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 741196   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 360100   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 174402   | 23.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 141974   | 19.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 350269   | 17.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.84%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 209114   | 52.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.32% |
| 24) Chloroform-d               | 7.64   | 84    | 485773   | 21.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 316064m  | 22.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.72%  |
| 29) Benzene-d6                 | 8.27   | 84    | 957837   | 23.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 308654   | 23.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 884974   | 23.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 143518   | 23.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 161721   | 56.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 112.50% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 280048   | 23.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 92.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 322560   | 23.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.32%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.91 | 84 | 51565 | 3.666 ug/L | 87     |

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

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