

Data File : VW015558.D  
Acq On : 08 Jun 2020 15:37  
Operator : SY/VA  
Sample : VIBLK28  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VIBLK28

Quant Time: Jun 09 03:03:38 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 09 02:02:35 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 337333   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 313113   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 140182   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 71197    | 23.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.12%  |
| 7) Chloroethane-d5             | 2.90   | 69    | 72103    | 23.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 119014   | 15.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 59629    | 59.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 118.16% |
| 24) Chloroform-d               | 7.65   | 84    | 171585   | 21.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 106413   | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.08%  |
| 29) Benzene-d6                 | 8.27   | 84    | 341297   | 22.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.92%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 103800   | 22.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.96%  |
| 37) Toluene-d8                 | 10.33  | 98    | 319309   | 21.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.56%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 43533    | 20.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 80.68%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 46749    | 57.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 88702    | 25.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.96% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 108146   | 23.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.08%  |

| Target Compounds      |       |     |      |            | Qvalue |
|-----------------------|-------|-----|------|------------|--------|
| 47) Tetrachloroethene | 10.87 | 164 | 2630 | 0.705 ug/L | 96     |

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

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