

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101720\  
 Data File : VW016934.D  
 Acq On : 16 Oct 2020 18:25  
 Operator : SY/VA  
 Sample : VIBLK18  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VIBLK18

Manual Integrations  
 APPROVED

MMDadoda  
 10/19/2020 11:53:17 AM

Quant Time: Oct 17 02:33:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 17 00:37:07 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 497420   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 468353   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 219623   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 86461    | 17.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.48%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 74052    | 17.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 133897   | 12.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.40%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 69447    | 62.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 124.96% |
| 24) Chloroform-d               | 7.65   | 84    | 223287   | 21.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.08%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 119245m  | 23.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.08%  |
| 29) Benzene-d6                 | 8.27   | 84    | 433173   | 20.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 125931   | 22.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.12%  |
| 37) Toluene-d8                 | 10.32  | 98    | 400196   | 19.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.76%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 52156    | 20.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.76%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 55144    | 62.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 124.76% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 126280   | 27.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 109.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 159384   | 22.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.52%  |

| Target Compounds         |       |     |      |              | Ovalue |
|--------------------------|-------|-----|------|--------------|--------|
| 16) Methylene chloride   | 4.92  | 84  | 9412 | 1.371 ug/L   | 91     |
| 43) 4-Methyl-2-pentanone | 10.21 | 43  | 2341 | 0.818 ug/L # | 93     |
| 47) Tetrachloroethene    | 10.87 | 164 | 5712 | 0.866 ug/L   | 90     |

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

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