

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\  
 Data File : VW017548.D  
 Acq On : 04 Dec 2020 12:10  
 Operator : SY/VA  
 Sample : L4920-15  
 Misc : 5.23G/10ML/MSVOA W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG4G1

Manual Integrations  
 APPROVED

MMDadoda  
 12/21/2020 1:36:09 PM

Quant Time: Dec 20 03:10:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Dec 20 01:44:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 391024   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 334185   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 135107   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 88884    | 17.28    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.12% |
| 7) Chloroethane-d5             | 2.89   | 69    | 78919    | 18.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.72% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 155813   | 13.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 54.44% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 49822    | 45.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.86% |
| 24) Chloroform-d               | 7.65   | 84    | 228287   | 20.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 82.20% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 118440   | 21.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 432358   | 21.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 126980   | 22.33    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.32% |
| 37) Toluene-d8                 | 10.32  | 98    | 380134   | 20.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.24% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 49933    | 19.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.60% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 29518    | 41.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.88% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 92474    | 22.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 106224   | 21.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.96% |

## Target Compounds

|                             |       |     |        |              | Ovalue |
|-----------------------------|-------|-----|--------|--------------|--------|
| 5) Vinyl chloride           | 2.37  | 62  | 7373   | 1.554 ug/L # | 79     |
| 13) Acetone                 | 4.14  | 43  | 8553   | 8.194 ug/L   | 70     |
| 14) Carbon disulfide        | 4.39  | 76  | 7647   | 0.493 ug/L   | 99     |
| 16) Methylene chloride      | 4.92  | 84  | 24543m | 4.180 ug/L   |        |
| 17) Methyl tert-butyl Ether | 5.43  | 73  | 21234  | 3.641 ug/L # | 88     |
| 47) Tetrachloroethene       | 10.87 | 164 | 23696  | 4.995 ug/L   | 93     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120420\  
Data File : VW017548.D  
Acq On : 04 Dec 2020 12:10  
Operator : SY/VA  
Sample : L4920-15  
Misc : 5.23G/10ML/MSVOA W/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BG4G1

Manual Integrations  
APPROVED

MMDadoda  
12/21/2020 1:36:09 PM

Quant Time: Dec 20 03:10:22 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM112420S.M  
Quant Title : VOC Analysis  
QLast Update : Sun Dec 20 01:44:20 2020  
Response via : Initial Calibration

