

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071919\  
 Data File : VW011382.D  
 Acq On : 19 Jul 2019 17:09  
 Operator : SY/VA  
 Sample : K3863-12  
 Misc : 5.92G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A52F2

Manual Integrations  
 APPROVED

MMDadoda  
 7/24/2019 12:49:03 AM

Quant Time: Jul 20 02:03:41 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM070219S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 20 00:46:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 22442    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 19169    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 4821     | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 4331     | 12.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 50.56%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 5411     | 22.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 8899     | 12.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.04%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 5691m    | 42.16    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.32%  |
| 24) Chloroform-d               | 7.65   | 84    | 14115    | 22.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 10252    | 27.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.24% |
| 29) Benzene-d6                 | 8.27   | 84    | 25226    | 21.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 9847     | 25.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 102.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 18369    | 17.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 69.84%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 3362     | 20.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.24%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 4737     | 53.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.44% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 9236     | 29.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 116.16% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 4005     | 21.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.56%  |

| Target Compounds |      |    |      |             | Ovalue |
|------------------|------|----|------|-------------|--------|
| 13) Acetone      | 4.12 | 43 | 4363 | 33.091 ug/L | 90     |

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

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