

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121719\  
 Data File : VW014416.D  
 Acq On : 18 Dec 2019 02:12  
 Operator : SY/VA  
 Sample : K6257-04  
 Misc : 6.08G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFEW3

Manual Integrations  
 APPROVED

MMDadoda  
 12/18/2019 3:36:15 PM

Quant Time: Dec 18 05:02:47 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 18 03:31:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 552251   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 484330   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 157613   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 274876   | 32.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 131.48%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 235692   | 37.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 151.64%# |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 388906   | 26.33    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 105.32%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 160035   | 73.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 146.88%# |
| 24) Chloroform-d               | 7.65   | 84    | 550734   | 39.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 156.68%# |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 314620   | 42.68    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 170.72%# |
| 29) Benzene-d6                 | 8.27   | 84    | 1157069  | 40.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 163.04%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 379591   | 43.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 173.88%# |
| 37) Toluene-d8                 | 10.32  | 98    | 963463   | 37.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 150.16%# |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 121857   | 33.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 133.04%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 117884   | 67.89    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 135.78%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 236573   | 33.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 132.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 265199   | 44.03    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 176.12%# |

## Target Compounds

|                        |      |    |        |        | Ovalue    |
|------------------------|------|----|--------|--------|-----------|
| 13) Acetone            | 4.12 | 43 | 62420  | 29.709 | ug/L 98   |
| 14) Carbon disulfide   | 4.38 | 76 | 8049   | 0.356  | ug/L # 90 |
| 16) Methylene chloride | 4.91 | 84 | 30062  | 3.551  | ug/L 99   |
| 21) 2-Butanone         | 7.17 | 43 | 20597m | 7.302  | ug/L      |
| 25) Chloroform         | 7.68 | 83 | 34225  | 2.482  | ug/L 84   |

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

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