

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\  
 Data File : VW011896.D  
 Acq On : 13 Aug 2019 15:42  
 Operator : SY/VA  
 Sample : K4215-09  
 Misc : 5.51G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETOC0

Manual Integrations  
 APPROVED

MMDadoda  
 8/14/2019 12:27:59 PM

Quant Time: Aug 14 06:01:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM073019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 14 04:55:20 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 383559   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 286709   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 80561    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 78379    | 14.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 58.04% |
| 7) Chloroethane-d5             | 2.89   | 69    | 66481    | 17.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.36% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 146923   | 11.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 47.48% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 80544    | 33.12    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.24% |
| 24) Chloroform-d               | 7.65   | 84    | 188910   | 17.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 71.72% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 112166m  | 17.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 71.96% |
| 29) Benzene-d6                 | 8.27   | 84    | 373931   | 20.74    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 82.96% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 128362   | 22.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.20% |
| 37) Toluene-d8                 | 10.32  | 98    | 300564   | 18.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 75.12% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 38960    | 15.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 61.08% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 48410    | 35.61    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.22% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 86043    | 17.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 71.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 59329    | 19.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 76.44% |

## Target Compounds

|                            |      |    |       |        | Ovalue  |
|----------------------------|------|----|-------|--------|---------|
| 13) Acetone                | 4.12 | 43 | 64937 | 24.932 | ug/L 98 |
| 14) Carbon disulfide       | 4.38 | 76 | 52478 | 2.925  | ug/L 98 |
| 21) 2-Butanone             | 7.18 | 43 | 20002 | 6.125  | ug/L 97 |
| 22) cis-1,2-Dichloroethene | 7.16 | 96 | 3842  | 0.645  | ug/L 91 |

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

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