

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102119\  
 Data File : VW013642.D  
 Acq On : 21 Oct 2019 18:12  
 Operator : SY/VA  
 Sample : K5422-10  
 Misc : 5.46G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AC1

Quant Time: Oct 21 18:59:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Oct 21 16:37:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 336012   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 262874   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 94853    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 98961    | 24.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.00%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 92269    | 23.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 162983   | 17.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.60%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 40558    | 27.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 55.02%  |
| 24) Chloroform-d               | 7.65   | 84    | 211877   | 22.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.16%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 101617   | 20.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 82.68%  |
| 29) Benzene-d6                 | 8.27   | 84    | 476605   | 30.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 120.72% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 138258   | 29.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 117.24% |
| 37) Toluene-d8                 | 10.32  | 98    | 412820   | 28.34    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 113.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 33844    | 15.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 63.64%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 32833    | 36.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 72.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 74989    | 19.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 77.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 75991    | 22.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 90.68%  |

## Target Compounds

|                        |       |    |       |            | Ovalue |
|------------------------|-------|----|-------|------------|--------|
| 13) Acetone            | 4.13  | 43 | 14489 | 8.854 ug/L | 93     |
| 14) Carbon disulfide   | 4.39  | 76 | 12340 | 0.808 ug/L | 98     |
| 16) Methylene chloride | 4.92  | 84 | 50815 | 7.898 ug/L | 97     |
| 44) Toluene            | 10.39 | 91 | 15796 | 0.779 ug/L | 88     |

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

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