

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102519\  
 Data File : VW013746.D  
 Acq On : 25 Oct 2019 14:22  
 Operator : SY/VA  
 Sample : K5549-01  
 Misc : 4.37G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAQ54

Quant Time: Oct 26 04:59:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101819S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 26 03:37:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 343530   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 298836   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 122294   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 119501   | 28.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 113.40% |
| 7) Chloroethane-d5             | 2.89   | 69    | 96323    | 24.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 97.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 181631   | 19.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.04%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 76562    | 50.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.58% |
| 24) Chloroform-d               | 7.65   | 84    | 244664   | 25.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.80% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 135546   | 26.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.88% |
| 29) Benzene-d6                 | 8.27   | 84    | 521476   | 29.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 116.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 158888   | 29.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 118.52% |
| 37) Toluene-d8                 | 10.32  | 98    | 463543   | 27.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 111.96% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 68609    | 28.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 113.44% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 63126    | 61.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 123.16% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 125415   | 28.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 114.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 110131   | 25.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.92% |

## Target Compounds

|                    |       |    |       |            | Ovalue |
|--------------------|-------|----|-------|------------|--------|
| 13) Acetone        | 4.14  | 43 | 15286 | 9.136 ug/L | 96     |
| 15) Methyl Acetate | 4.67  | 43 | 21014 | 7.687 ug/L | 96     |
| 34) Benzene        | 8.32  | 78 | 8757  | 0.408 ug/L | 100    |
| 44) Toluene        | 10.39 | 91 | 39284 | 1.705 ug/L | 94     |

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

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