

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121819\  
 Data File : VW014426.D  
 Acq On : 18 Dec 2019 12:22  
 Operator : SY/VA  
 Sample : K6270-10  
 Misc : 4.84G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ETK86

Manual Integrations  
 APPROVED

MMDadoda  
 12/19/2019 2:01:12 PM

Quant Time: Dec 19 01:24:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 19 01:06:45 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1140721  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1034702  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 484863   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 302795   | 17.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.12%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 258159   | 20.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 461269   | 15.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 60.48%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 244744   | 54.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.74% |
| 24) Chloroform-d               | 7.64   | 84    | 676163   | 23.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.12%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 383879   | 25.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 100.84% |
| 29) Benzene-d6                 | 8.27   | 84    | 1374973  | 22.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 90.68%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 451422   | 24.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 96.80%  |
| 37) Toluene-d8                 | 10.32  | 98    | 1213354  | 22.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.52%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 181689   | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.84%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 200579   | 54.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 108.14% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 390789   | 25.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.80% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 439004   | 23.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.76%  |

## Target Compounds

| Target Compounds      | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------|-------|------|----------|-------|--------|--------|
| 13) Acetone           | 4.12  | 43   | 18319m   | 4.221 | ug/L   |        |
| 30) Cyclohexane       | 7.95  | 56   | 20662    | 0.800 | ug/L # | 83     |
| 34) Benzene           | 8.32  | 78   | 79652    | 1.216 | ug/L   | 100    |
| 36) Methylcyclohexane | 9.33  | 83   | 32828    | 1.165 | ug/L # | 88     |
| 44) Toluene           | 10.38 | 91   | 186295   | 2.712 | ug/L   | 99     |
| 53) Ethylbenzene      | 11.73 | 91   | 55037    | 0.738 | ug/L   | 97     |
| 54) m,p-Xylene        | 11.84 | 106  | 32124    | 1.121 | ug/L   | 95     |
| 55) o-xylene          | 12.16 | 106  | 13830    | 0.509 | ug/L   | 89     |

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

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