

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW052218\  
 Data File : VW002783.D  
 Acq On : 22 May 2018 10:41  
 Operator : JC/SY  
 Sample : VSTD02583  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:01:10 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052218S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue May 22 11:01:15 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 330512   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.64 | 117  | 312849   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 168854   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.34  | 65  | 104632 | 20.83 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.89  | 69  | 88835  | 19.61 | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2      | 4.01  | 63  | 181972 | 21.44 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 7.08  | 46  | 74266  | 44.34 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.65  | 84  | 199640 | 22.80 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.31  | 65  | 118796 | 22.97 | ug/L | 0.00 |
| 29) Benzene-d6                 | 8.27  | 84  | 379180 | 21.84 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6     | 9.28  | 67  | 120168 | 22.40 | ug/L | 0.00 |
| 37) Toluene-d8                 | 10.33 | 98  | 373799 | 22.06 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 10.59 | 79  | 58716  | 23.04 | ug/L | 0.00 |
| 39) 2-Hexanone-d5              | 10.93 | 63  | 62779  | 46.58 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 12.70 | 84  | 124835 | 23.30 | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4     | 13.87 | 152 | 154443 | 22.89 | ug/L | 0.00 |

## Target Compounds

|                                |       |     |        |       |      | Qvalue |
|--------------------------------|-------|-----|--------|-------|------|--------|
| 2) Dichlorodifluoromethane     | 2.00  | 85  | 45546  | 22.11 | ug/L | 86     |
| 3) Chloromethane               | 2.21  | 50  | 81769  | 26.01 | ug/L | 97     |
| 5) Vinyl chloride              | 2.36  | 62  | 137583 | 25.82 | ug/L | 98     |
| 6) Bromomethane                | 2.78  | 94  | 91967  | 24.51 | ug/L | 99     |
| 8) Chloroethane                | 2.92  | 64  | 85089  | 24.12 | ug/L | 99     |
| 9) Trichlorofluoromethane      | 3.25  | 101 | 57620  | 18.49 | ug/L | 99     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.05  | 101 | 99815  | 24.19 | ug/L | # 68   |
| 12) 1,1-Dichloroethene         | 4.03  | 96  | 93094  | 24.55 | ug/L | 99     |
| 13) Acetone                    | 4.12  | 43  | 55932  | 34.12 | ug/L | 99     |
| 14) Carbon disulfide           | 4.37  | 76  | 290821 | 28.85 | ug/L | 99     |
| 15) Methyl Acetate             | 4.66  | 43  | 56840  | 22.53 | ug/L | 99     |
| 16) Methylene chloride         | 4.90  | 84  | 96615  | 23.11 | ug/L | 93     |
| 17) Methyl tert-butyl Ether    | 5.43  | 73  | 174257 | 23.98 | ug/L | 99     |
| 18) trans-1,2-Dichloroethene   | 5.41  | 96  | 96653  | 24.62 | ug/L | 98     |
| 19) 1,1-Dichloroethane         | 6.21  | 63  | 173870 | 24.14 | ug/L | 99     |
| 21) 2-Butanone                 | 7.18  | 43  | 79543  | 41.25 | ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 107366 | 24.07 | ug/L | 99     |
| 23) Bromochloromethane         | 7.51  | 128 | 52009  | 24.66 | ug/L | 96     |
| 25) Chloroform                 | 7.67  | 83  | 186297 | 23.91 | ug/L | 98     |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 136449 | 25.23 | ug/L | 98     |
| 30) Cyclohexane                | 7.96  | 56  | 161656 | 25.26 | ug/L | 100    |
| 31) 1,1,1-Trichloroethane      | 7.87  | 97  | 141828 | 22.31 | ug/L | 99     |
| 32) Carbon tetrachloride       | 8.07  | 117 | 143107 | 23.24 | ug/L | 100    |
| 34) Benzene                    | 8.32  | 78  | 406386 | 24.52 | ug/L | 100    |
| 35) Trichloroethene            | 9.09  | 95  | 108193 | 23.95 | ug/L | 99     |
| 36) Methylcyclohexane          | 9.34  | 83  | 185893 | 25.25 | ug/L | 99     |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 103668 | 23.52 | ug/L | 100    |
| 41) Bromodichloromethane       | 9.65  | 83  | 135936 | 23.58 | ug/L | 98     |
| 42) cis-1,3-Dichloropropene    | 10.08 | 75  | 162607 | 23.80 | ug/L | 100    |
| 43) 4-Methyl-2-pentanone       | 10.22 | 43  | 169278 | 45.41 | ug/L | 99     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 44) Toluene                    | 10.40 | 91   | 445488   | 24.17 | ug/L  | 99       |
| 45) trans-1,3-Dichloropropene  | 10.61 | 75   | 148695   | 24.19 | ug/L  | 99       |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 84349    | 23.02 | ug/L  | 98       |
| 47) Tetrachloroethene          | 10.87 | 164  | 94564    | 24.24 | ug/L  | 99       |
| 49) 2-Hexanone                 | 10.98 | 43   | 126560   | 45.78 | ug/L  | 97       |
| 50) Dibromochloromethane       | 11.13 | 129  | 103078   | 23.36 | ug/L  | 99       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 84949    | 23.83 | ug/L  | 100      |
| 52) Chlorobenzene              | 11.66 | 112  | 291298   | 23.64 | ug/L  | 96       |
| 53) Ethylbenzene               | 11.74 | 91   | 501622   | 23.83 | ug/L  | 99       |
| 54) m,p-Xylene                 | 11.85 | 106  | 189571   | 23.78 | ug/L  | 96       |
| 55) o-xylene                   | 12.18 | 106  | 181460   | 23.37 | ug/L  | 100      |
| 56) Styrene                    | 12.19 | 104  | 318801   | 24.01 | ug/L  | 98       |
| 57) Isopropylbenzene           | 12.48 | 105  | 498694   | 23.22 | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 12.73 | 83   | 113955   | 22.65 | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane     | 12.78 | 75   | 84573    | 22.19 | ug/L  | 100      |
| 62) Bromoform                  | 12.35 | 173  | 66424    | 22.94 | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene        | 13.51 | 146  | 236410   | 22.80 | ug/L  | 99       |
| 64) 1,4-Dichlorobenzene        | 13.59 | 146  | 246767   | 23.05 | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 13.88 | 146  | 228005   | 23.11 | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 14.50 | 75   | 19147    | 21.13 | ug/L  | 91       |
| 67) 1,3,5-Trichlorobenzene     | 14.64 | 180  | 192114   | 22.91 | ug/L  | 98       |
| 68) 1,2,4-trichlorobenzene     | 15.15 | 180  | 163682   | 22.89 | ug/L  | 99       |
| 69) Naphthalene                | 15.38 | 128  | 320186   | 21.57 | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 15.57 | 180  | 153844   | 23.22 | ug/L  | 99       |
| -----                          |       |      |          |       |       |          |

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

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