

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022221\  
 Data File : VW018218.D  
 Acq On : 22 Feb 2021 12:26  
 Operator : SY/VA  
 Sample : VSTD10003  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD10003

Quant Time: Feb 23 00:37:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM022221S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 23 00:23:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 439246   | 25.00  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 395172   | 25.00  | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.560 | 152  | 202785   | 25.00  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65   | 500451   | 104.12 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.891  | 69   | 394350   | 106.26 | ug/L  | 0.00     |
| 10) 1,1-Dichloroethene-d2     | 4.025  | 63   | 1018442  | 103.70 | ug/L  | 0.00     |
| 20) 2-Butanone-d5             | 7.074  | 46   | 216725   | 216.44 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.647  | 84   | 1046856  | 103.68 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 507731   | 101.18 | ug/L  | 0.00     |
| 29) Benzene-d6                | 8.275  | 84   | 2042194  | 102.83 | ug/L  | 0.00     |
| 33) 1,2-Dichloropropane-d6    | 9.274  | 67   | 569523   | 104.37 | ug/L  | 0.00     |
| 37) Toluene-d8                | 10.323 | 98   | 1950079  | 101.64 | ug/L  | 0.00     |
| 38) trans-1,3-Dichloroprop... | 10.579 | 79   | 277974   | 112.03 | ug/L  | 0.00     |
| 39) 2-Hexanone-d5             | 10.920 | 63   | 194268   | 227.21 | ug/L  | 0.00     |
| 48) 1,1,2,2-Tetrachloroeth... | 12.688 | 84   | 442939   | 101.75 | ug/L  | 0.00     |
| 61) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 706971   | 100.17 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014  | 85   | 568098   | 104.80 | ug/L  | 98       |
| 3) Chloromethane              | 2.221  | 50   | 443752   | 108.11 | ug/L  | 100      |
| 5) Vinyl chloride             | 2.367  | 62   | 602019   | 99.97  | ug/L  | 99       |
| 6) Bromomethane               | 2.782  | 94   | 412841   | 101.39 | ug/L  | 98       |
| 8) Chloroethane               | 2.928  | 64   | 349321   | 103.19 | ug/L  | 96       |
| 9) Trichlorofluoromethane     | 3.263  | 101  | 489385   | 111.06 | ug/L  | 98       |
| 11) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101  | 580930   | 101.72 | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 4.044  | 96   | 582584   | 103.64 | ug/L  | 96       |
| 13) Acetone                   | 4.129  | 43   | 141369   | 191.40 | ug/L  | 98       |
| 14) Carbon disulfide          | 4.391  | 76   | 1706991  | 98.62  | ug/L  | 99       |
| 15) Methyl Acetate            | 4.665  | 43   | 190677   | 104.18 | ug/L  | 98       |
| 16) Methylene chloride        | 4.915  | 84   | 544546   | 92.06  | ug/L  | 99       |
| 17) Methyl tert-butyl Ether   | 5.421  | 73   | 591442   | 101.00 | ug/L  | 100      |
| 18) trans-1,2-Dichloroethene  | 5.421  | 96   | 606586   | 102.05 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 6.214  | 63   | 946770   | 102.93 | ug/L  | 99       |
| 21) 2-Butanone                | 7.165  | 43   | 239875   | 211.48 | ug/L  | 99       |
| 22) cis-1,2-Dichloroethene    | 7.165  | 96   | 635640   | 105.43 | ug/L  | 96       |
| 23) Bromochloromethane        | 7.506  | 128  | 294672   | 105.15 | ug/L  | 90       |
| 25) Chloroform                | 7.677  | 83   | 1013790  | 102.15 | ug/L  | 99       |
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 608465   | 101.80 | ug/L  | 99       |
| 30) Cyclohexane               | 7.958  | 56   | 865369   | 103.64 | ug/L  | 100      |
| 31) 1,1,1-Trichloroethane     | 7.872  | 97   | 830919   | 100.59 | ug/L  | 99       |
| 32) Carbon tetrachloride      | 8.067  | 117  | 826003   | 101.68 | ug/L  | 99       |
| 34) Benzene                   | 8.323  | 78   | 2187744  | 101.75 | ug/L  | 100      |
| 35) Trichloroethene           | 9.092  | 95   | 615801   | 102.25 | ug/L  | 98       |
| 36) Methylcyclohexane         | 9.335  | 83   | 1037212  | 101.30 | ug/L  | 99       |
| 40) 1,2-Dichloropropane       | 9.366  | 63   | 507903   | 102.70 | ug/L  | 100      |
| 41) Bromodichloromethane      | 9.640  | 83   | 739284   | 106.06 | ug/L  | 99       |
| 42) cis-1,3-Dichloropropene   | 10.073 | 75   | 883127   | 111.72 | ug/L  | 98       |
| 43) 4-Methyl-2-pentanone      | 10.207 | 43   | 541379   | 217.13 | ug/L  | 99       |
| 44) Toluene                   | 10.384 | 91   | 2406792  | 101.02 | ug/L  | 99       |
| 45) trans-1,3-Dichloropropene | 10.603 | 75   | 758546   | 111.67 | ug/L  | 98       |

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 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1,2-Trichloroethane     | 10.786 | 97   | 415533   | 103.94 | ug/L  | 98       |
| 47) Tetrachloroethene         | 10.866 | 164  | 523209   | 98.53  | ug/L  | 97       |
| 49) 2-Hexanone                | 10.963 | 43   | 365638   | 215.45 | ug/L  | 99       |
| 50) Dibromochloromethane      | 11.128 | 129  | 545915   | 109.92 | ug/L  | 98       |
| 51) 1,2-Dibromoethane         | 11.231 | 107  | 417378   | 106.79 | ug/L  | 99       |
| 52) Chlorobenzene             | 11.658 | 112  | 1617726  | 102.30 | ug/L  | 97       |
| 53) Ethylbenzene              | 11.731 | 91   | 2731887  | 101.88 | ug/L  | 99       |
| 54) m,p-Xylene                | 11.841 | 106  | 1082018  | 103.59 | ug/L  | 100      |
| 55) o-xylene                  | 12.164 | 106  | 1028451  | 104.19 | ug/L  | 96       |
| 56) Styrene                   | 12.182 | 104  | 1747815  | 104.97 | ug/L  | 99       |
| 57) Isopropylbenzene          | 12.463 | 105  | 2777183  | 103.30 | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 455307   | 102.67 | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane    | 12.768 | 75   | 333865   | 101.82 | ug/L  | 100      |
| 62) Bromoform                 | 12.347 | 173  | 332087   | 112.34 | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene       | 13.499 | 146  | 1280642  | 99.33  | ug/L  | 96       |
| 64) 1,4-Dichlorobenzene       | 13.579 | 146  | 1265212  | 98.54  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene       | 13.865 | 146  | 1135085  | 99.82  | ug/L  | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 77202    | 107.29 | ug/L  | 98       |
| 67) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 999155   | 100.17 | ug/L  | 94       |
| 68) 1,2,4-trichlorobenzene    | 15.127 | 180  | 821921   | 102.04 | ug/L  | 99       |
| 69) Naphthalene               | 15.365 | 128  | 1547248  | 109.66 | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 727471   | 102.72 | ug/L  | 99       |

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

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