

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080321\  
 Data File : VW019662.D  
 Acq On : 03 Aug 2021 16:08  
 Operator : SY/VA  
 Sample : VSTDICV050  
 Misc : 5.00g/5.00mL/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 03 18:37:24 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W080321S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 16:22:46 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 7.952  | 168   | 661156   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.848  | 114   | 1117040  | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 11.634 | 117   | 1018470  | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.560 | 152   | 503478   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 8.311  | 65    | 426539   | 50.708   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | = 101.420% |          |
| 35) Dibromofluoromethane     | 7.891  | 113   | 381446   | 51.662   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | = 103.320% |          |
| 50) Toluene-d8               | 10.323 | 98    | 1494189  | 51.784   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 49 - 140 | Recovery | = 103.560% |          |
| 62) 4-Bromofluorobenzene     | 12.621 | 95    | 549132   | 53.338   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 25 - 144 | Recovery | = 106.680% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.014  | 85    | 189558   | 51.109   | ug/l       | 99       |
| 3) Chloromethane             | 2.215  | 50    | 244739   | 48.441   | ug/l       | 98       |
| 4) Vinyl Chloride            | 2.367  | 62    | 358810   | 48.774   | ug/l       | 100      |
| 5) Bromomethane              | 2.788  | 94    | 276389   | 50.198   | ug/l       | 98       |
| 6) Chloroethane              | 2.928  | 64    | 238901   | 51.077   | ug/l       | 100      |
| 7) Trichlorofluoromethane    | 3.263  | 101   | 275630   | 49.346   | ug/l       | 100      |
| 8) Diethyl Ether             | 3.684  | 74    | 178515   | 51.633   | ug/l       | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 4.068  | 101   | 331569   | 49.651   | ug/l       | 98       |
| 10) Methyl Iodide            | 4.282  | 142   | 439650   | 51.095   | ug/l       | 98       |
| 11) Tert butyl alcohol       | 5.196  | 59    | 99498    | 276.933  | ug/l       | 98       |
| 12) 1,1-Dichloroethene       | 4.050  | 96    | 335046   | 50.859   | ug/l       | 95       |
| 13) Acrolein                 | 3.904  | 56    | 96855    | 270.069  | ug/l       | 98       |
| 14) Allyl chloride           | 4.672  | 41    | 501905   | 52.808   | ug/l       | 91       |
| 15) Acrylonitrile            | 5.373  | 53    | 379109   | 254.822  | ug/l       | 99       |
| 16) Acetone                  | 4.135  | 43    | 299326   | 240.844  | ug/l       | 93       |
| 17) Carbon Disulfide         | 4.391  | 76    | 899753   | 51.647   | ug/l       | 99       |
| 18) Methyl Acetate           | 4.678  | 43    | 171031   | 48.816   | ug/l       | 98       |
| 19) Methyl tert-butyl Ether  | 5.428  | 73    | 522338   | 53.924   | ug/l       | 100      |
| 20) Methylene Chloride       | 4.922  | 84    | 421830   | 52.032   | ug/l       | 98       |
| 21) trans-1,2-Dichloroethene | 5.428  | 96    | 378429   | 51.843   | ug/l       | 96       |
| 22) Diisopropyl ether        | 6.318  | 45    | 1078374  | 53.273   | ug/l       | 99       |
| 23) Vinyl Acetate            | 6.257  | 43    | 3224863  | 273.176  | ug/l       | 100      |
| 24) 1,1-Dichloroethane       | 6.220  | 63    | 714202   | 51.121   | ug/l       | 99       |
| 25) 2-Butanone               | 7.177  | 43    | 458499   | 255.130  | ug/l       | 95       |
| 26) 2,2-Dichloropropane      | 7.171  | 77    | 391826   | 50.530   | ug/l       | 100      |
| 27) cis-1,2-Dichloroethene   | 7.171  | 96    | 423875   | 52.678   | ug/l       | 99       |
| 28) Bromochloromethane       | 7.519  | 49    | 280494   | 50.948   | ug/l       | 99       |
| 29) Tetrahydrofuran          | 7.537  | 42    | 300974   | 261.204  | ug/l       | 97       |
| 30) Chloroform               | 7.683  | 83    | 717803   | 50.625   | ug/l       | 100      |
| 31) Cyclohexane              | 7.958  | 56    | 593631   | 48.172   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 7.878  | 97    | 568083   | 51.619   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 8.086  | 75    | 555813   | 50.773   | ug/l       | 99       |
| 37) Ethyl Acetate            | 7.257  | 43    | 222781   | 52.473   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 8.074  | 117   | 525136   | 51.784   | ug/l       | 99       |
| 39) Methylcyclohexane        | 9.335  | 83    | 660112   | 52.502   | ug/l       | 98       |
| 40) Benzene                  | 8.323  | 78    | 1540726  | 51.103   | ug/l       | 100      |

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|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.488  | 41   | 126427   | 52.836   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.403  | 62   | 477068   | 50.556   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.427  | 43   | 419343   | 52.071   | ug/l   | 99       |
| 44) Trichloroethene           | 9.098  | 130  | 390190   | 50.316   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.372  | 63   | 388050   | 50.823   | ug/l   | 100      |
| 46) Dibromomethane            | 9.464  | 93   | 201603   | 49.923   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.646  | 83   | 524918   | 52.049   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.439  | 41   | 207245   | 57.904   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.470  | 88   | 57912    | 1101.797 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.213 | 43   | 1091489  | 259.057  | ug/l   | 98       |
| 52) Toluene                   | 10.390 | 92   | 983747   | 51.796   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.610 | 75   | 520351   | 52.848   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.073 | 75   | 609220   | 52.919   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.786 | 97   | 283523   | 50.228   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.646 | 69   | 363907   | 53.606   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.933 | 76   | 500850   | 50.231   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.927  | 63   | 832428   | 263.991  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.969 | 43   | 733672   | 258.259  | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.128 | 129  | 318446   | 51.865   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.238 | 107  | 265640   | 50.469   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.866 | 164  | 316406   | 50.057   | ug/l   | 93       |
| 65) Chlorobenzene             | 11.658 | 112  | 1037307  | 51.326   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.731 | 131  | 360138   | 52.033   | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.731 | 91   | 1953626  | 53.312   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.841 | 106  | 1485050  | 106.090  | ug/l   | 99       |
| 69) o-Xylene                  | 12.164 | 106  | 701426   | 54.083   | ug/l   | 98       |
| 70) Styrene                   | 12.183 | 104  | 1176589  | 53.681   | ug/l   | 99       |
| 71) Bromoform                 | 12.347 | 173  | 176768   | 53.165   | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.463 | 105  | 1920111  | 53.871   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.274 | 43   | 393537   | 52.483   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 330840   | 50.527   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.768 | 75   | 425020   | 88.667   | ug/l # | 100      |
| 77) Bromobenzene              | 12.749 | 156  | 398386   | 50.922   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.804 | 91   | 2370482  | 54.090   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.890 | 91   | 1362694  | 53.032   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 1632349  | 53.721   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.512 | 75   | 94718    | 45.844   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.987 | 91   | 1408824  | 52.718   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.207 | 119  | 1410843  | 54.030   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 1620669  | 53.567   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.384 | 105  | 2157972  | 54.426   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.499 | 119  | 1790070  | 55.021   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.499 | 146  | 853966   | 51.809   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.579 | 146  | 828967   | 50.585   | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.822 | 91   | 1709707  | 53.417   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.091 | 117  | 316834   | 53.380   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.871 | 146  | 751094   | 51.872   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.481 | 75   | 55009    | 51.582   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.127 | 180  | 474738   | 52.847   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.231 | 225  | 269502   | 51.609   | ug/l   | 97       |
| 95) Naphthalene               | 15.365 | 128  | 942079   | 49.804   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 415780   | 52.362   | ug/l   | 98       |

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

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