Mann-Kendall Trend Test Analysis

User Selected Options
Date/Time of Computation   ProUCL 5.2 11/27/2024 1:34:42 PM
From File   FYNOP ProUCL Data Group B1 11-26-24.xls
Full Precision   OFF
Confidence Coefficient   0.9
Level of Significance   0.1

MW-115 MTBE

General Statistics
Number of Events Reported (m)   6
Number of Missing Events   0
Number or Reported Events Used   6
Number Values Reported (n)   6
Minimum   18
Maximum   28
Mean   21.83
Geometric Mean   21.61
Median   22
Standard Deviation   3.488
Coefficient of Variation   0.16

Mann-Kendall Test
M-K Test Value (S)   -10
Tabulated p-value   0.028
Standard Deviation of S   4.967
Standardized Value of S   -1.812
Approximate p-value   0.035

Statistically significant evidence of a decreasing
trend at the specified level of significance.