

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/3/2025 8:56:11 AM
From File	FYNOP ProUCL Data Group B 1-2-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-101D TCE

General Statistics

Number of Events Reported (m)	14
Number of Missing Events	0
Number or Reported Events Used	14
Number Values Reported (n)	14
Minimum	3.7
Maximum	6.5
Mean	4.729
Geometric Mean	4.647
Median	4.35
Standard Deviation	0.94
Coefficient of Variation	0.199

Mann-Kendall Test

M-K Test Value (S)	-44
Tabulated p-value	0.007
Standard Deviation of S	18.18
Standardized Value of S	-2.365
Approximate p-value	0.00902

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