

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/3/2025 8:44:25 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-166 TCE

General Statistics

Number of Events Reported (m)	31
Number of Missing Events	0
Number or Reported Events Used	31
Number Values Reported (n)	31
Minimum	0.3
Maximum	4.9
Mean	0.946
Geometric Mean	0.763
Median	0.69
Standard Deviation	0.889
Coefficient of Variation	0.94

Mann-Kendall Test

M-K Test Value (S)	-230
Critical Value (0.1)	-1.282
Standard Deviation of S	58.79
Standardized Value of S	-3.895
Approximate p-value	4.90E-05

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