

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/3/2025 8:48:40 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-167 PCE

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	1
Maximum	14
Mean	3.258
Geometric Mean	2.617
Median	2.5
Standard Deviation	2.755
Coefficient of Variation	0.846

Mann-Kendall Test

M-K Test Value (S)	-217
Critical Value (0.1)	-1.282
Standard Deviation of S	58.76
Standardized Value of S	-3.676
Approximate p-value	1.19E-04

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