

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/3/2025 8:51:23 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-168 PCE

General Statistics

Number of Events Reported (m)	30
Number of Missing Events	0
Number or Reported Events Used	30
Number Values Reported (n)	30
Minimum	0.2
Maximum	1.1
Mean	0.36
Geometric Mean	0.336
Median	0.3
Standard Deviation	0.172
Coefficient of Variation	0.478

Mann-Kendall Test

M-K Test Value (S)	-95
Critical Value (0.1)	-1.282
Standard Deviation of S	48.18
Standardized Value of S	-1.951
Approximate p-value	0.0255

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