

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/3/2025 8:47:16 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 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	0.2
Maximum	6.9
Mean	1.277
Geometric Mean	0.76
Median	0.65
Standard Deviation	1.679
Coefficient of Variation	1.315

Mann-Kendall Test

M-K Test Value (S)	-223
Critical Value (0.1)	-1.282
Standard Deviation of S	58.72
Standardized Value of S	-3.78
Approximate p-value	7.83E-05

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