

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/26/2024 2:57:08 PM
From File	FYNOP ProUCL Data Group A 11-26-24.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-9 Vinyl Chloride

General Statistics

Number of Events Reported (m)	12
Number of Missing Events	0
Number or Reported Events Used	12
Number Values Reported (n)	12
Minimum	0.23
Maximum	5.6
Mean	2.113
Geometric Mean	1.307
Median	1.65
Standard Deviation	1.854
Coefficient of Variation	0.878

Mann-Kendall Test

M-K Test Value (S)	-20
Tabulated p-value	0.098
Standard Deviation of S	14.58
Standardized Value of S	-1.303
Approximate p-value	0.0963

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