

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/26/2024 3:03:59 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-18S 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	0.2
Maximum	1.7
Mean	0.574
Geometric Mean	0.458
Median	0.33
Standard Deviation	0.443
Coefficient of Variation	0.772

Mann-Kendall Test

M-K Test Value (S)	-30
Tabulated p-value	0.022
Standard Deviation of S	14.33
Standardized Value of S	-2.024
Approximate p-value	0.0215

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