

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 11/27/2024 1:34:20 PM
From File	FYNOP ProUCL Data Group B1 11-26-24.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-115 Benzene

General Statistics

Number of Events Reported (m)	6
Number of Missing Events	0
Number or Reported Events Used	6
Number Values Reported (n)	6
Minimum	5.3
Maximum	9.3
Mean	7.533
Geometric Mean	7.385
Median	7.85
Standard Deviation	1.586
Coefficient of Variation	0.211

Mann-Kendall Test

M-K Test Value (S)	-11
Tabulated p-value	0.028
Standard Deviation of S	5.323
Standardized Value of S	-1.879
Approximate p-value	0.0301

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