

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/8/2026 12:31:14 PM
From File	FYNOP ProUCL Data Group A 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-5 TCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number or Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.3
Maximum	0.47
Mean	0.336
Geometric Mean	0.331
Median	0.3
Standard Deviation	0.0591
Coefficient of Variation	0.176

Mann-Kendall Test

M-K Test Value (S)	-25
Tabulated p-value	0.184
Standard Deviation of S	23.04
Standardized Value of S	-1.042
Approximate p-value	0.149

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

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/8/2026 12:30:56 PM
From File	FYNOP ProUCL Data Group A 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-5 TCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number or Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.3
Maximum	0.47
Mean	0.336
Geometric Mean	0.331
Median	0.3
Standard Deviation	0.0591
Coefficient of Variation	0.176

Mann-Kendall Test

M-K Test Value (S)	-25
Tabulated p-value	0.184
Standard Deviation of S	23.04
Standardized Value of S	-1.042
Approximate p-value	0.149

Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/8/2026 12:32:03 PM
From File	FYNOP ProUCL Data Group A 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-5 Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number or Reported Events Used	18
Number Values Reported (n)	18
Minimum	1.5
Maximum	6
Mean	3.589
Geometric Mean	3.392
Median	3.8
Standard Deviation	1.153
Coefficient of Variation	0.321

Mann-Kendall Test

M-K Test Value (S)	-42
Tabulated p-value	0.056
Standard Deviation of S	26.34
Standardized Value of S	-1.556
Approximate p-value	0.0598

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

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/8/2026 12:31:46 PM
From File	FYNOP ProUCL Data Group A 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-5 Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number or Reported Events Used	18
Number Values Reported (n)	18
Minimum	1.5
Maximum	6
Mean	3.589
Geometric Mean	3.392
Median	3.8
Standard Deviation	1.153
Coefficient of Variation	0.321

Mann-Kendall Test

M-K Test Value (S)	-42
Tabulated p-value	0.056
Standard Deviation of S	26.34
Standardized Value of S	-1.556
Approximate p-value	0.0598

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

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/12/2026 1:29:15 PM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-82 TCE

General Statistics

Number of Events Reported (m)	7
Number of Missing Events	0
Number of Reported Events Used	7
Number Values Reported (n)	7
Minimum	0.76
Maximum	1.9
Mean	1.229
Geometric Mean	1.186
Median	1.2
Standard Deviation	0.357
Coefficient of Variation	0.291

Mann-Kendall Test

M-K Test Value (S)	-19
Tabulated p-value	0.001
Standard Deviation of S	6.506
Standardized Value of S	-2.767
Approximate p-value	0.00283

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

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/12/2026 1:28:51 PM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-82 TCE

General Statistics

Number of Events Reported (m)	7
Number of Missing Events	0
Number of Reported Events Used	7
Number Values Reported (n)	7
Minimum	0.76
Maximum	1.9
Mean	1.229
Geometric Mean	1.186
Median	1.2
Standard Deviation	0.357
Coefficient of Variation	0.291

Mann-Kendall Test

M-K Test Value (S)	-19
Tabulated p-value	0.001
Standard Deviation of S	6.506
Standardized Value of S	-2.767
Approximate p-value	0.00283

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

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/12/2026 1:37:43 PM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-82 PCE

General Statistics

Number of Events Reported (m)	7
Number of Missing Events	0
Number of Reported Events Used	7
Number Values Reported (n)	7
Minimum	1.1
Maximum	1.8
Mean	1.386
Geometric Mean	1.37
Median	1.4
Standard Deviation	0.227
Coefficient of Variation	0.164

Mann-Kendall Test

M-K Test Value (S)	-2
Tabulated p-value	0.386
Standard Deviation of S	6.583
Standardized Value of S	-0.152
Approximate p-value	0.44

Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/12/2026 1:29:41 PM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-82 PCE

General Statistics

Number of Events Reported (m)	7
Number of Missing Events	0
Number of Reported Events Used	7
Number Values Reported (n)	7
Minimum	1.1
Maximum	1.8
Mean	1.386
Geometric Mean	1.37
Median	1.4
Standard Deviation	0.227
Coefficient of Variation	0.164

Mann-Kendall Test

M-K Test Value (S)	-2
Tabulated p-value	0.386
Standard Deviation of S	6.583
Standardized Value of S	-0.152
Approximate p-value	0.44

Insufficient evidence to identify a significant trend at the specified level of significance.

Mann-Kendall Trend Test Analysis

User Selected Options	
Date/Time of Computation	ProUCL 5.2 1/12/2026 1:38:34 PM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-82 Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	7
Number of Missing Events	0
Number of Reported Events Used	7
Number Values Reported (n)	7
Minimum	0.79
Maximum	2.4
Mean	1.384
Geometric Mean	1.311
Median	1.3
Standard Deviation	0.516
Coefficient of Variation	0.373

Mann-Kendall Test

M-K Test Value (S)	-18
Tabulated p-value	0.001
Standard Deviation of S	6.377
Standardized Value of S	-2.666
Approximate p-value	0.00384

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

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation

ProUCL 5.2 1/12/2026 1:38:10 PM

From File

FYNOP ProUCL Data Group B 12-30-25.xls

Full Precision

OFF

Confidence Coefficient

0.9

Level of Significance

0.1

MW-82 Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	7
Number of Missing Events	0
Number of Reported Events Used	7
Number Values Reported (n)	7
Minimum	0.79
Maximum	2.4
Mean	1.384
Geometric Mean	1.311
Median	1.3
Standard Deviation	0.516
Coefficient of Variation	0.373

Mann-Kendall Test

M-K Test Value (S)	-18
Tabulated p-value	0.001
Standard Deviation of S	6.377
Standardized Value of S	-2.666
Approximate p-value	0.00384

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