

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/12/2026 1:22:27 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-101S TCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.3
Maximum	0.76
Mean	0.506
Geometric Mean	0.482
Median	0.51
Standard Deviation	0.156
Coefficient of Variation	0.309

Mann-Kendall Test

M-K Test Value (S)	8
Tabulated p-value	0.383
Standard Deviation of S	26.34
Standardized Value of S	0.266
Approximate p-value	0.395

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 1:21:57 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-101S TCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.3
Maximum	0.76
Mean	0.506
Geometric Mean	0.482
Median	0.51
Standard Deviation	0.156
Coefficient of Variation	0.309

Mann-Kendall Test

M-K Test Value (S)	8
Tabulated p-value	0.383
Standard Deviation of S	26.34
Standardized Value of S	0.266
Approximate p-value	0.395

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 1:23:14 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-101S PCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	1.1
Maximum	4.2
Mean	2.833
Geometric Mean	2.652
Median	2.85
Standard Deviation	0.986
Coefficient of Variation	0.348

Mann-Kendall Test

M-K Test Value (S)	34
Tabulated p-value	0.1
Standard Deviation of S	26.31
Standardized Value of S	1.254
Approximate p-value	0.105

Statistically significant evidence of an increasing 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 1:22:48 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-101S PCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	1.1
Maximum	4.2
Mean	2.833
Geometric Mean	2.652
Median	2.85
Standard Deviation	0.986
Coefficient of Variation	0.348

Mann-Kendall Test

M-K Test Value (S)	34
Tabulated p-value	0.1
Standard Deviation of S	26.31
Standardized Value of S	1.254
Approximate p-value	0.105

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 1:24:09 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-101S Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.18
Maximum	0.7
Mean	0.399
Geometric Mean	0.379
Median	0.365
Standard Deviation	0.134
Coefficient of Variation	0.336

Mann-Kendall Test

M-K Test Value (S)	-8
Tabulated p-value	0.383
Standard Deviation of S	26.06
Standardized Value of S	-0.269
Approximate p-value	0.394

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 1:23:39 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-101S Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.18
Maximum	0.7
Mean	0.399
Geometric Mean	0.379
Median	0.365
Standard Deviation	0.134
Coefficient of Variation	0.336

Mann-Kendall Test

M-K Test Value (S)	-8
Tabulated p-value	0.383
Standard Deviation of S	26.06
Standardized Value of S	-0.269
Approximate p-value	0.394

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 1:25:09 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-101D 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	3.4
Maximum	6.5
Mean	4.494
Geometric Mean	4.407
Median	4.15
Standard Deviation	0.95
Coefficient of Variation	0.211

Mann-Kendall Test

M-K Test Value (S)	-83
Tabulated p-value	0.001
Standard Deviation of S	26.32
Standardized Value of S	-3.115
Approximate p-value	9.20E-04

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 1:24:43 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-101D TCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	3.4
Maximum	6.5
Mean	4.494
Geometric Mean	4.407
Median	4.15
Standard Deviation	0.95
Coefficient of Variation	0.211

Mann-Kendall Test

M-K Test Value (S)	-83
Tabulated p-value	0.001
Standard Deviation of S	26.32
Standardized Value of S	-3.115
Approximate p-value	9.20E-04

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 1:26:13 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-101D PCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	2.7
Maximum	5.6
Mean	3.872
Geometric Mean	3.817
Median	3.9
Standard Deviation	0.677
Coefficient of Variation	0.175

Mann-Kendall Test

M-K Test Value (S)	-32
Tabulated p-value	0.115
Standard Deviation of S	26.2
Standardized Value of S	-1.183
Approximate p-value	0.118

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 1:25:42 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-101D PCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	2.7
Maximum	5.6
Mean	3.872
Geometric Mean	3.817
Median	3.9
Standard Deviation	0.677
Coefficient of Variation	0.175

Mann-Kendall Test

M-K Test Value (S)	-32
Tabulated p-value	0.115
Standard Deviation of S	26.2
Standardized Value of S	-1.183
Approximate p-value	0.118

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 1:27:12 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-101D 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	6.5
Maximum	13
Mean	8.178
Geometric Mean	8.05
Median	8.05
Standard Deviation	1.589
Coefficient of Variation	0.194

Mann-Kendall Test

M-K Test Value (S)	-96
Tabulated p-value	0
Standard Deviation of S	26.22
Standardized Value of S	-3.624
Approximate p-value	1.45E-04

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 1:26:49 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-101D Cis-1,2 DCE

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	6.5
Maximum	13
Mean	8.178
Geometric Mean	8.05
Median	8.05
Standard Deviation	1.589
Coefficient of Variation	0.194

Mann-Kendall Test

M-K Test Value (S)	-96
Tabulated p-value	0
Standard Deviation of S	26.22
Standardized Value of S	-3.624
Approximate p-value	1.45E-04

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 1:28:04 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-101D Benzene

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.3
Maximum	1.6
Mean	0.407
Geometric Mean	0.357
Median	0.3
Standard Deviation	0.313
Coefficient of Variation	0.77

Mann-Kendall Test

M-K Test Value (S)	10
Tabulated p-value	0.354
Standard Deviation of S	19.06
Standardized Value of S	0.472
Approximate p-value	0.318

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 1:27:37 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-101D Benzene

General Statistics

Number of Events Reported (m)	18
Number of Missing Events	0
Number of Reported Events Used	18
Number Values Reported (n)	18
Minimum	0.3
Maximum	1.6
Mean	0.407
Geometric Mean	0.357
Median	0.3
Standard Deviation	0.313
Coefficient of Variation	0.77

Mann-Kendall Test

M-K Test Value (S)	10
Tabulated p-value	0.354
Standard Deviation of S	19.06
Standardized Value of S	0.472
Approximate p-value	0.318

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