

Mann-Kendall Trend Test Analysis

User Selected Options

Date/Time of Computation	ProUCL 5.2 1/12/2026 11:14:41 AM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-22 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	1.6
Maximum	4.4
Mean	2.414
Geometric Mean	2.261
Median	1.8
Standard Deviation	1.03
Coefficient of Variation	0.427

Mann-Kendall Test

M-K Test Value (S)	-16
Tabulated p-value	0.005
Standard Deviation of S	6.377
Standardized Value of S	-2.352
Approximate p-value	0.00933

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 11:14:15 AM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-22 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	1.6
Maximum	4.4
Mean	2.414
Geometric Mean	2.261
Median	1.8
Standard Deviation	1.03
Coefficient of Variation	0.427

Mann-Kendall Test

M-K Test Value (S)	-16
Tabulated p-value	0.005
Standard Deviation of S	6.377
Standardized Value of S	-2.352
Approximate p-value	0.00933

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 11:15:31 AM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.8
Level of Significance	0.2

MW-22 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	2.4
Maximum	9.3
Mean	5.971
Geometric Mean	5.533
Median	5.5
Standard Deviation	2.335
Coefficient of Variation	0.391

Mann-Kendall Test

M-K Test Value (S)	5
Tabulated p-value	0.281
Standard Deviation of S	6.658
Standardized Value of S	0.601
Approximate p-value	0.274

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 11:15:04 AM
From File	FYNOP ProUCL Data Group B 12-30-25.xls
Full Precision	OFF
Confidence Coefficient	0.9
Level of Significance	0.1

MW-22 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	2.4
Maximum	9.3
Mean	5.971
Geometric Mean	5.533
Median	5.5
Standard Deviation	2.335
Coefficient of Variation	0.391

Mann-Kendall Test

M-K Test Value (S)	5
Tabulated p-value	0.281
Standard Deviation of S	6.658
Standardized Value of S	0.601
Approximate p-value	0.274

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 1/9/2026 2:18:26 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-108D 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	0.3
Maximum	0.48
Mean	0.333
Geometric Mean	0.328
Median	0.3
Standard Deviation	0.066
Coefficient of Variation	0.198

Mann-Kendall Test

M-K Test Value (S)	-15
Tabulated p-value	0.015
Standard Deviation of S	5.972
Standardized Value of S	-2.344
Approximate p-value	0.00953

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 1/9/2026 2:17:52 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-108D 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	0.3
Maximum	0.48
Mean	0.333
Geometric Mean	0.328
Median	0.3
Standard Deviation	0.066
Coefficient of Variation	0.198

Mann-Kendall Test

M-K Test Value (S)	-15
Tabulated p-value	0.015
Standard Deviation of S	5.972
Standardized Value of S	-2.344
Approximate p-value	0.00953

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 12:34:49 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-165 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	0.75
Maximum	3.3
Mean	1.624
Geometric Mean	1.423
Median	1.2
Standard Deviation	0.926
Coefficient of Variation	0.57

Mann-Kendall Test

M-K Test Value (S)	-19
Tabulated p-value	0.001
Standard Deviation of S	6.658
Standardized Value of S	-2.703
Approximate p-value	0.00343

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 12:08:18 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-165 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	0.75
Maximum	3.3
Mean	1.624
Geometric Mean	1.423
Median	1.2
Standard Deviation	0.926
Coefficient of Variation	0.57

Mann-Kendall Test

M-K Test Value (S)	-19
Tabulated p-value	0.001
Standard Deviation of S	6.658
Standardized Value of S	-2.703
Approximate p-value	0.00343

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 12:36:05 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-165 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	2.1
Maximum	3.6
Mean	2.814
Geometric Mean	2.779
Median	2.8
Standard Deviation	0.481
Coefficient of Variation	0.171

Mann-Kendall Test

M-K Test Value (S)	-19
Tabulated p-value	0.001
Standard Deviation of S	6.658
Standardized Value of S	-2.703
Approximate p-value	0.00343

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 12:35:44 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-165 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	2.1
Maximum	3.6
Mean	2.814
Geometric Mean	2.779
Median	2.8
Standard Deviation	0.481
Coefficient of Variation	0.171

Mann-Kendall Test

M-K Test Value (S)	-19
Tabulated p-value	0.001
Standard Deviation of S	6.658
Standardized Value of S	-2.703
Approximate p-value	0.00343

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 12:37:08 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-166 TCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	0.3
Maximum	4.9
Mean	0.896
Geometric Mean	0.728
Median	0.61
Standard Deviation	0.847
Coefficient of Variation	0.946

Mann-Kendall Test

M-K Test Value (S)	-304
Critical Value (0.2)	-0.842
Standard Deviation of S	70.38
Standardized Value of S	-4.305
Approximate p-value	8.33E-06

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 12:36:33 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-166 TCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	0.3
Maximum	4.9
Mean	0.896
Geometric Mean	0.728
Median	0.61
Standard Deviation	0.847
Coefficient of Variation	0.946

Mann-Kendall Test

M-K Test Value (S)	-304
Critical Value (0.1)	-1.282
Standard Deviation of S	70.38
Standardized Value of S	-4.305
Approximate p-value	8.33E-06

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 12:38:10 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-166 PCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	0.48
Maximum	70
Mean	5.47
Geometric Mean	1.591
Median	0.89
Standard Deviation	13.29
Coefficient of Variation	2.43

Mann-Kendall Test

M-K Test Value (S)	-88
Critical Value (0.2)	-0.842
Standard Deviation of S	70.36
Standardized Value of S	-1.236
Approximate p-value	0.108

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 12:37:34 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-166 PCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	0.48
Maximum	70
Mean	5.47
Geometric Mean	1.591
Median	0.89
Standard Deviation	13.29
Coefficient of Variation	2.43

Mann-Kendall Test

M-K Test Value (S)	-88
Critical Value (0.1)	-1.282
Standard Deviation of S	70.36
Standardized Value of S	-1.236
Approximate p-value	0.108

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 12:39:08 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-167 TCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	0.2
Maximum	6.9
Mean	1.19
Geometric Mean	0.724
Median	0.62
Standard Deviation	1.597
Coefficient of Variation	1.342

Mann-Kendall Test

M-K Test Value (S)	-245
Critical Value (0.2)	-0.842
Standard Deviation of S	70.32
Standardized Value of S	-3.47
Approximate p-value	2.60E-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 12:38:36 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-167 TCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	0.2
Maximum	6.9
Mean	1.19
Geometric Mean	0.724
Median	0.62
Standard Deviation	1.597
Coefficient of Variation	1.342

Mann-Kendall Test

M-K Test Value (S)	-245
Critical Value (0.1)	-1.282
Standard Deviation of S	70.32
Standardized Value of S	-3.47
Approximate p-value	2.60E-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 12:39:59 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-167 PCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	1
Maximum	14
Mean	3.103
Geometric Mean	2.517
Median	2.4
Standard Deviation	2.628
Coefficient of Variation	0.847

Mann-Kendall Test

M-K Test Value (S)	-263
Critical Value (0.2)	-0.842
Standard Deviation of S	70.3
Standardized Value of S	-3.727
Approximate p-value	9.70E-05

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 12:39:31 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-167 PCE

General Statistics

Number of Events Reported (m)	35
Number of Missing Events	0
Number of Reported Events Used	35
Number Values Reported (n)	35
Minimum	1
Maximum	14
Mean	3.103
Geometric Mean	2.517
Median	2.4
Standard Deviation	2.628
Coefficient of Variation	0.847

Mann-Kendall Test

M-K Test Value (S)	-263
Critical Value (0.1)	-1.282
Standard Deviation of S	70.3
Standardized Value of S	-3.727
Approximate p-value	9.70E-05

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 12:41:02 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-168 PCE

General Statistics

Number of Events Reported (m)	34
Number of Missing Events	0
Number of Reported Events Used	34
Number Values Reported (n)	34
Minimum	0.2
Maximum	1.1
Mean	0.353
Geometric Mean	0.332
Median	0.3
Standard Deviation	0.162
Coefficient of Variation	0.46

Mann-Kendall Test

M-K Test Value (S)	-107
Critical Value (0.2)	-0.842
Standard Deviation of S	55.79
Standardized Value of S	-1.9
Approximate p-value	0.0287

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 12:40:36 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-168 PCE

General Statistics

Number of Events Reported (m)	34
Number of Missing Events	0
Number of Reported Events Used	34
Number Values Reported (n)	34
Minimum	0.2
Maximum	1.1
Mean	0.353
Geometric Mean	0.332
Median	0.3
Standard Deviation	0.162
Coefficient of Variation	0.46

Mann-Kendall Test

M-K Test Value (S)	-107
Critical Value (0.1)	-1.282
Standard Deviation of S	55.79
Standardized Value of S	-1.9
Approximate p-value	0.0287

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