

Mann-Kendall Trend Test Analysis

User Selected Options

| | |
|--------------------------|--|
| Date/Time of Computation | ProUCL 5.2 11/26/2024 3:07:14 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-18D Vinyl Chloride

General Statistics

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|--------------------------------|-------|
| 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 | 1.6 |
| Mean | 0.625 |
| Geometric Mean | 0.532 |
| Median | 0.555 |
| Standard Deviation | 0.39 |
| Coefficient of Variation | 0.624 |

Mann-Kendall Test

| | |
|-------------------------|---------|
| M-K Test Value (S) | -36 |
| Tabulated p-value | 0.007 |
| Standard Deviation of S | 14.42 |
| Standardized Value of S | -2.427 |
| Approximate p-value | 0.00762 |

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