

## Mann-Kendall Trend Test Analysis

### User Selected Options

|                          |                                      |
|--------------------------|--------------------------------------|
| Date/Time of Computation | ProUCL 5.2 1/3/2025 8:37:25 AM       |
| From File                | FYNOP ProUCL Data Group A 1-2-25.xls |
| Full Precision           | OFF                                  |
| Confidence Coefficient   | 0.8                                  |
| Level of Significance    | 0.2                                  |

CW-1A Cis-1,2 DCE

### General Statistics

|                                |       |
|--------------------------------|-------|
| Number of Events Reported (m)  | 12    |
| Number of Missing Events       | 0     |
| Number or Reported Events Used | 12    |
| Number Values Reported (n)     | 12    |
| Minimum                        | 0.24  |
| Maximum                        | 1.4   |
| Mean                           | 0.51  |
| Geometric Mean                 | 0.437 |
| Median                         | 0.31  |
| Standard Deviation             | 0.337 |
| Coefficient of Variation       | 0.661 |

### Mann-Kendall Test

|                         |        |
|-------------------------|--------|
| M-K Test Value (S)      | -16    |
| Tabulated p-value       | 0.155  |
| Standard Deviation of S | 14.21  |
| Standardized Value of S | -1.055 |
| Approximate p-value     | 0.146  |

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