

## Mann-Kendall Trend Test Analysis

### User Selected Options

|                          |                                         |
|--------------------------|-----------------------------------------|
| Date/Time of Computation | ProUCL 5.2 12/2/2024 8:26:14 AM         |
| From File                | FYNOP ProUCL Data Group B2 11-26-24.xls |
| Full Precision           | OFF                                     |
| Confidence Coefficient   | 0.9                                     |
| Level of Significance    | 0.1                                     |

### MW-165 PCE

#### General Statistics

|                                |       |
|--------------------------------|-------|
| Number of Events Reported (m)  | 6     |
| Number of Missing Events       | 0     |
| Number of Reported Events Used | 6     |
| Number Values Reported (n)     | 6     |
| Minimum                        | 2.5   |
| Maximum                        | 3.6   |
| Mean                           | 2.933 |
| Geometric Mean                 | 2.912 |
| Median                         | 2.9   |
| Standard Deviation             | 0.398 |
| Coefficient of Variation       | 0.136 |

#### Mann-Kendall Test

|                         |        |
|-------------------------|--------|
| M-K Test Value (S)      | -13    |
| Tabulated p-value       | 0.008  |
| Standard Deviation of S | 5.323  |
| Standardized Value of S | -2.254 |
| Approximate p-value     | 0.0121 |

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