

## Mann-Kendall Trend Test Analysis

### User Selected Options

|                          |                                        |
|--------------------------|----------------------------------------|
| Date/Time of Computation | ProUCL 5.2 11/26/2024 3:25:53 PM       |
| From File                | FYNOP ProUCL Data Group A 11-26-24.xls |
| Full Precision           | OFF                                    |
| Confidence Coefficient   | 0.8                                    |
| Level of Significance    | 0.2                                    |

### MW-14 PCE

#### General Statistics

|                                |       |
|--------------------------------|-------|
| Number of Events Reported (m)  | 6     |
| Number of Missing Events       | 0     |
| Number or Reported Events Used | 6     |
| Number Values Reported (n)     | 6     |
| Minimum                        | 1.8   |
| Maximum                        | 5.6   |
| Mean                           | 3.367 |
| Geometric Mean                 | 3.113 |
| Median                         | 3.35  |
| Standard Deviation             | 1.432 |
| Coefficient of Variation       | 0.425 |

#### Mann-Kendall Test

|                         |        |
|-------------------------|--------|
| M-K Test Value (S)      | -3     |
| Tabulated p-value       | 0.36   |
| Standard Deviation of S | 5.323  |
| Standardized Value of S | -0.376 |
| Approximate p-value     | 0.354  |

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