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2024 GROUNDWATER MONITORING ANNUAL REPORT FORMER HUTSONVILLE POWER STATION -ASH POND A



2024 GROUNDWATER MONITORING ANNUAL REPORT FORMER HUTSONVILLE POWER STATION - ASH POND A

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ACRONYMS AND ABBREVIATIONS

Ameren CCW Collection Trench EPA	AmerenEnergy Medina Valley Cogen, LLC Coal Combustion Waste Groundwater Collection System Environmental Protection Agency
GMZ	Groundwater Management Zone
Hanson	Hanson Professional Services, Inc.
HDPE	High Density Polyethylene
Hutsonville	Former Hutsonville Power Station
IAC	Illinois Administrative Code
ILCS	Illinois Compiled Statutes
mg/L	milligrams per liter
NRT	Natural Resource Technology, Inc.
TDS	Total Dissolved Solids

1. INTRODUCTION

1.1 Background

This report has been prepared for AmerenEnergy Medina Valley Cogen, LLC (Ameren) to summarize 2024 groundwater monitoring results for closed Ash Pond A at the former Hutsonville Power Station (Hutsonville). Ash Pond A, originally constructed with an 80-mil high-density polyethylene (HDPE) liner, received sluiced fly ash between 1986-2011, and is located near the southwest portion of the former power station (**Figure 1-1**).

Closure activities for the Hutsonville coal combustion waste (CCW) ponds, consisting of Ash Ponds A, B, C, and the Bottom Ash Sluice Pond, were completed in June 2016 in accordance with Ash Ponds Closure, Closure Plan, dated September 15, 2014 (Closure Plan) (Hanson Professional Services, Inc. [Hanson], Natural Resource Technology [NRT], 2014a), and the site-specific rule for closure of Ash Pond D, Part 840 of Title 35 of the Illinois Administrative Code (35 IAC 840), to the extent feasible. Closure activities for Ash Pond A included placement of ash transferred from Ash Ponds B, C, the Bottom Ash Sluice Pond, and spoils from clean-up of the coal yard, and capping with a low permeability geomembrane (40-mil high density polyethylene [HDPE]) covered with protective soil. Ash Ponds B, C, and the Bottom Ash Sluice Pond were clean-closed by relocating accumulated ash to Ash Pond A and re-grading the former pond areas for proper drainage. The Ash Pond A Closure Completion Report (Ameren, 2017) was approved by the Illinois Environmental Protection Agency (EPA) in March 2017.

Ameren completed closure activities for Ash Pond D in 2013 in accordance with 35 IAC 840. These activities included placement of a 40-mil HDPE geomembrane cap covered with a three-foot thick vegetative soil layer, construction of surface water control structures, and construction of a groundwater collection system (i.e., Collection Trench). Operation of the Collection Trench began in April 2015 following discharge authorization under Hutsonville's renewed National Pollutant Discharge Elimination System (NPDES) permit (IL0004120).

Since Ash Ponds B, C, and the Bottom Ash Sluice Pond were clean-closed, the Ash Ponds Closure, Groundwater Monitoring Plan, dated September 15, 2014 (Groundwater Monitoring Plan) (Hanson, NRT, 2014b) and associated annual reports are for Ash Pond A. The Groundwater Monitoring Plan was prepared in accordance with 35 IAC 840.114 and 35 IAC 840.116 and outlines groundwater monitoring and sampling procedures, establishes the parameters and methods to be used for analyzing the groundwater samples, and describes evaluation methods to assess post-closure groundwater quality and trends to demonstrate compliance with the applicable groundwater standards. The Groundwater Monitoring Program Schedule is provided in **Table 1-1**. Monitoring well locations, installation dates, construction information, and the groundwater zone they monitor are provided in **Table 1-2**. Field and laboratory parameters for evaluating groundwater quality are shown in **Table 1-3**.

The groundwater monitoring system for Ash Pond A (**Figure 1-2**), as defined by the Groundwater Monitoring Plan, originally consisted of two background monitoring wells, MW-10 and MW-10D, and nine downgradient compliance monitoring wells MW-2R, MW-2D, MW-3, MW-3D, MW-4, MW-5, MW-12, MW-22S, and MW-22D. Background wells MW-10 and MW-10D were destroyed due to construction unrelated to Ameren operations after the first quarter 2016 monitoring period. No trace of the former background wells was found using a metal detector, probes, or digging. As a result, these wells were replaced with background monitoring wells

MW-23S and MW-23D in November 2017. In addition, several other monitoring wells and piezometers located at Hutsonville are measured for groundwater level so that groundwater elevation contour maps can be created for the entire site.

In conjunction with Ameren's request for approval of the Closure Plan, Ameren submitted a request to establish a groundwater management zone (GMZ) pursuant to 35 IAC 620.250(a)(2), Ash Ponds Closure, Groundwater Management Zone Application, dated September 8, 2014 (GMZ Application) (Hanson, NRT, 2014c), which was approved along with the Closure Plan. The GMZ is a three-dimensional region containing groundwater being managed to mitigate impacts from a potential release of leachate from the facility. Impacts observed during groundwater monitoring conducted 2011-2014 included concentrations for dissolved boron, dissolved sulfate, dissolved manganese, and Total Dissolved Solids (TDS) higher than 35 ICA 620.410 Class I groundwater quality standards within the GMZ. The GMZ is shown on **Figure 1-2**.

Post-closure groundwater monitoring began in 2016. Annual reporting according to the Groundwater Monitoring Plan and the Ash Ponds Closure, Post-Closure Care Plan, dated September 8, 2014 (Post-Closure Care Plan) (Hanson, NRT, 2014e), began after the Closure Completion Report was approved by Illinois EPA in March 2017. This annual report includes the following elements:

- A summary of groundwater monitoring data collected in 2023 and 2024 and used for annual trend and statistical analysis; data tables are included in **Appendix A**.
- Quarterly Site Inspection Forms, including observations and descriptions of any maintenance activities performed on the pond cap, embankment, and Collection Trench and discharge system (**Appendix B**).
- Methodology for the outlier and trend analyses, per Section 7.2.1 of the Groundwater Monitoring Plan, along with results for these analyses including an assessment of any statistically significant increasing trends (**Appendix C**).

1.2 Groundwater Quality Overview – 2017 to 2024

1.2.1 Summary of Cover System Construction and Maintenance

Ash Pond A was originally constructed with an 80-mil HDPE liner. Closure activities for Ash Pond A included grading according to the Closure Plan and capping with a low-permeability geomembrane (40-mil HDPE) covered with protective soil.

Inspections of the cover system are performed on a quarterly schedule. Routine maintenance activities are performed at Ash Pond A as needed and as soon as practicable after issues are identified. These activities include recontouring the ground surface, repairing drainage channels, repairing and replacing channel lining material, revegetating areas, and removing woody vegetation. Maintenance activities can be found in more detail in the Post-Closure Care Plan.

1.2.2 Summary of 2017 to 2024 Groundwater Quality Data Review

Groundwater quality data collected since the approval of the Ash Pond A Closure Completion Report in 2017 were reviewed to assess the overall condition of the groundwater and the performance of the cover system. This review was performed independently from the compliance evaluations required by the Groundwater Monitoring Plan, which are focused on specific compliance criteria and proposed mitigation actions. This review is intended as a holistic view of groundwater quality over time since closure.

Dissolved boron and sulfate were identified as indicator constituents for coal ash leachate impacts to groundwater at Ash Pond A in the Closure Plan. As such, dissolved boron and sulfate were selected for this groundwater quality data review. Dissolved sulfate can have other anthropogenic sources for elevated concentrations in groundwater, and concentrations can decrease in groundwater under strongly reducing conditions. These caveats make dissolved sulfate a less reliable indicator for coal ash impacts than dissolved boron.

Time series plots of dissolved boron observed at each compliance monitoring well from 2017 through 2024 are presented in **Figures 1-3 through 1-7**. The lines through the concentration data represent the best fit linear regressions for dissolved boron concentrations in each well. Best fit linear regression lines are included in the figures to provide a convenient means of evaluating general concentration patterns since closure. It should be noted that the regression lines are not equivalent to the statistical trends discussed in the groundwater compliance section of this report (**Section 3.3**). Long term concentration patterns, identified by positive or negative Sen's estimate of slope, and trends, identified by statistically significant upward or downward Mann-Kendall analysis on positive or negative Sen's estimate of slope, are presented in **Appendix C4**.

Dissolved boron concentrations since 2017 are presented in **Figures 1-3 through 1-7**. Generally, dissolved boron concentrations in most compliance monitoring wells have been stable or decreasing since 2017 and are currently below the 35 IAC 620.410 Class I Groundwater Standard for the majority of the compliance groundwater monitoring wells, with the following exceptions:

- MW-3D dissolved boron concentrations are above the Class I Groundwater Standard and currently exhibiting an increasing trend as predicted by groundwater modeling completed for the closure plan (see related content in **Section 4**)
- MW-22S dissolved boron concentrations are just above the Class I Groundwater Standard, but exhibit a decreasing trend
- MW-22D dissolved boron concentrations are above the Class I Groundwater Standard, but exhibit a decreasing trend

1.2.3 Conclusion

Trends observed in dissolved boron concentrations since the closure of Pond A support that the cover system is functioning to improve overall groundwater quality beneath Pond A and are consistent with the results of groundwater modeling performed to simulate changes in groundwater quality resulting from pond closure as discussed in the Ash Ponds Closure, Groundwater Model Report, dated September 8, 2014 (Hanson, NRT, 2014d). Modeling results suggested that dissolved boron concentrations would stabilize shortly after closure in monitoring wells with low concentrations (wells MW-5 and MW-9), while other wells were predicted to take as long as 40 years to stabilize (*e.g.*, well MW-3D).

2. GROUNDWATER MONITORING PLAN COMPLIANCE

2.1 Applicable Groundwater Quality Standards

2.1.1 On-Site Groundwater Standards

A GMZ has been established around the maximum predicted area of on-site groundwater impacts associated with Ponds A, B, and C. As described in Section 7.1 of the Groundwater Monitoring Plan and pursuant to 35 IAC 840.16(a):

- Prior to the completion of the post-closure care period, the on-site applicable groundwater quality standards at Ash Pond A are the greater of either the actual groundwater monitoring result, or the Class I Potable Resource Groundwater standard set forth in 35 IAC 620.410.
- After completion of the post-closure care period, if the on-site concentrations of contaminants from Ash Pond A, as determined by groundwater monitoring, exceed the numeric standards for Class I Potable Resource Groundwater set forth in 35 IAC 620.410, the observed concentrations are the applicable groundwater standards at Ash Pond A if the following criteria are addressed to the satisfaction of the IEPA:
 - To the extent practicable, the exceedance has been minimized and beneficial use, as appropriate for the class of groundwater, has been returned on site.
 - Any threat to public health or the environment on site has been minimized.
 - An institutional control prohibiting potable uses of groundwater is placed on Ash Pond A in accordance with the Uniform Environmental Covenants Act (765 Illinois Compiled Statutes (ILCS) 122) or an alternative instrument authorized for environmental uses under Illinois law and approved by the IEPA. Existing potable uses of groundwater may be preserved as long as such uses remain fit for human consumption in accordance with accepted water supply principles.

2.1.2 Off-Site Groundwater Standards

For off-site groundwater compliance, the groundwater quality standards are the Class I potable resource groundwater standards [35 IAC 620.410]. Although the established GMZ does not extend south of the former Hutsonville Power Station's property boundary, an agreement¹ exists between Ameren and the south property owner regarding shallow well drilling. This restriction covers the first 25 feet of the water table and lies within a 500-ft offset south of the southern property boundary of the former Hutsonville Power Station.

2.2 Demonstration of Compliance

Compliance will be based on attainment of groundwater quality that meets the numeric standards for Class I potable resource groundwater as set forth in 35 IAC 620.410. Groundwater quality that does not meet the Class I standard will be considered in compliance when no statistically significant increasing trend can be attributed to the ash ponds at the compliance GMZ boundary for four (4) consecutive years, which must be approved by the IEPA. Post-closure groundwater

¹ Available at: http://www.ipcb.state.il.us/documents/dsweb/Get/Document-65177 as Chapter 9 of the Rulemaking Technical Support Documents.

compliance monitoring will continue for a minimum of ten years from the IEPA's approval of the Closure Plan.

2.2.1 Compliance Determination

As described in Section 7.2.1 of the Groundwater Monitoring Plan:

- GMZ compliance is demonstrated by performing an annual trend analysis for each monitoring well located at the downgradient boundaries of the former Hutsonville Power Station (Table 1-2) for all constituents listed in Table 1-3. The analysis shall use Sen's Estimate of Slope and be performed on a minimum of four consecutive samples.
- If the results of the trend analysis show a positive slope at any compliance monitoring well located at the downgradient boundaries of the former Hutsonville Power Station, a Mann-Kendall test will be performed at 95 percent confidence to determine whether or not the increasing slope represents a statistically significant increasing trend. Ameren will investigate the cause of a statistically significant increasing trend as described below.
 - If the investigation attributes a statistically significant increasing trend to a superseding cause, Ameren will notify the IEPA in writing, stating the cause of the increasing trend and providing the rationale used in such a determination.
 - If there is no superseding cause and the statistically significant increasing trend continues to be observed over two or more consecutive years, a hydrogeologic investigation (and additional site investigation(s), if necessary) will be performed.

Based on the outcome of the investigation above, Ameren will take action to mitigate statistically significant increasing trends that are causing, threatening, or allowing exceedances of off-site groundwater quality standards. Such actions will be proposed as a modification to the post-closure care plan within 180 days after completion of the investigation activities described above.

3. DATA ANALYSIS

3.1 Groundwater Flow

Groundwater flow for 2024 is represented using groundwater elevation contour maps for each quarterly sampling event (**Figures 3-1 through 3-4**). Groundwater depth measurements occurred over a ten-day period during the Quarter 2 sampling event, therefore, the Quarter 2 groundwater elevation contour map (**Figure 3-2**) was generated using groundwater elevations from the date that the most sampling locations were gauged to avoid significant temporal variation in the data presented. As a result, the contours and groundwater water flow directions illustrated in the groundwater elevation contour map for Quarter 2 (**Figure 3-2**) are limited to areas near Ash Pond D. Groundwater in the upper (shallow) migration zone generally flowed from west to east and northeast towards the Wabash River during 2024, which is consistent with past evaluations. The Collection Trench began operation in April 2015, and following startup, groundwater elevations have exhibited localized flow toward the trench with groundwater elevation contours, dashed lines have been used to infer the localized drawdown of groundwater levels resulting from trench operation, which is necessary with a limited number of groundwater monitoring wells situated laterally along the length of the trench.

The horizontal hydraulic gradient in the upper migration zone beneath the northern extent of Ash Pond A was calculated for each quarterly monitoring event, with exception to Quarter 2 due to limited contemporaneous data discussed above, between adjacent contours along the northern boundary of Ash Pond A illustrated in **Figures 3-1, 3-3 and 3-4** and ranged from approximately 0.003 to 0.006 feet/feet during 2024. Horizontal hydraulic gradient was not calculated near the southern end of the pond due to the potential influence of the Collection Trench on groundwater flow.

Groundwater flow within the lower (deep alluvial) migration zone along the edge of the Wabash River valley was not contoured since all of the deep alluvial monitoring wells are within a narrow zone between Ash Pond D and the Wabash River. Groundwater within the lower zone generally flows from southwest to northeast towards the Wabash River.

3.2 Review of Analytical Data (2023-2024)

Groundwater samples from the most recent eight monitoring events were collected on February 20, 2023; June 5, 2023; August 28, 2023; October 23, 2023; March 18, 2024; June 17, 24, and 27, 2024; September 23 and 30, 2024; and November 11, 2024. All field and laboratory analytical results are tabulated in **Appendix A**. Sampling anomalies, such as wells that were dry, had water levels too low for sampling, or were not sampled during a sampling event for other reasons, are noted below:

- MW-3: Not sampled in all quarters in 2023 and 2024 due to insufficient water level.
- MW-4: Not sampled in the third and fourth quarter of 2023 or the first, third and fourth quarter of 2024 due to insufficient water level.

Results of groundwater monitoring for constituents that exceeded the 35 IAC 620.410 Class I Groundwater Standard when the GMZ was established (boron, sulfate, manganese, and TDS) are discussed below:

- Dissolved boron has been identified as the primary indicator constituent for coal ash impacts to groundwater at Ash Pond A (see Section 1.2.2). In the 2023-2024 monitoring period, dissolved boron concentrations ranged from <0.025 to 6.47 milligrams per liter (mg/L) in compliance monitoring wells (Figures 3-6 and 3-7). Dissolved boron concentrations were highest at MW-22D and MW-3D in 2023 and 2024. As discussed in Sections 1.2.2 and 1.2.3, dissolved boron concentrations have been stable or decreasing in the majority of compliance monitoring wells across the site since closure.
- Dissolved sulfate has also been identified as an indicator for coal ash impacts to groundwater at Ash Pond A (see Section 1.2.2). In the 2023-2024 monitoring period, dissolved sulfate concentrations ranged from <0.5 to 4,810 mg/L in compliance monitoring wells (Figures 3--8 and 3-9). Dissolved sulfate concentrations were highest at MW-22S, MW-22D, and MW-3D in 2023 and 2024; dissolved boron concentrations were also highest at MW-22D and MW-3D.
- Box-whisker plots and timeseries plots illustrating concentrations for the most recent eight monitoring events (2023-2024) were also developed for dissolved manganese and TDS (Figures 3-10 through 3-13). Similar to the indicator parameters referenced above, dissolved manganese and TDS concentration trends were generally stable during this reporting period with the exception of MW-12, for which the dissolved manganese trend was slightly increasing.

3.3 Statistical Analyses

Analytical data were evaluated to identify short-term (compliance) data trends in the 2023-2024 dataset. Trends were evaluated according to the procedure outlined in the Groundwater Monitoring Plan and summarized in **Section 2.2.1**.

3.3.1 Outlier Analysis

The Grubbs outlier test provides statistical evidence of potential outliers by identifying high or low observations that differ significantly from the other data. The test methodology and results are listed in **Appendices C1 and C2**, respectively. Outliers identified during the compliance period (2023-2024) by the Grubbs outlier test based on the date range of 1984-2024 were not eliminated from further statistical analysis due the lack of documentation indicating that they are not representative of actual field conditions. In addition, these identified outliers did not have any influence on the short-term compliance trends at compliance wells since no outliers greater than the Class I Groundwater Standard were identified at wells with statistically significant increasing trends.

3.3.2 Sen's Estimate of Slope

Sen's estimate of slope is a non-parametric estimator of trend. It is the median of all slopes between all possible unique pairs of individual data points in the time period being analyzed. The slopes represent the rate of change of the measured parameter, with the y-axis being the parameter value and the x-axis being calendar time. The method is robust and fairly insensitive to the presence of a small fraction of outliers and non-detect data values. The test methodology and results are listed in **Appendices C1 and C3**, respectively.

Data collected in 2023-2024 show 24 cases with positive slopes, 17 cases with negative slopes, and 184 cases with no slope (**Table 3-1**). Sen's Estimate of Slope requires a minimum of

four consecutive samples. Note that this analysis was not performed for MW-3 and MW-4 as this requirement was not met during 2023-2024 compliance period.

3.3.3 Mann-Kendall Trend Analysis

The 24 cases of positive Sen's slopes referenced above were further evaluated using the Mann-Kendall test to determine if the positive slopes represented statistically significant increasing trends. The Mann-Kendall test is a non-parametric, one-tailed test to determine whether a dataset has a statistically significant trend (increasing or decreasing). The test methodology and results are described in **Appendices C1** and **Appendix C3**, respectively. Increasing short-term (compliance) trends are identified in **Tables 3-1 and 3-2**.

The Mann-Kendall test detected eight cases of statistically significant increasing trend in the 2023-2024 dataset. These cases occurred for dissolved boron at MW-2D and MW-3D; dissolved sulfate at MW-2D; TDS at MW-2D; dissolved nitrate at MW-2D, MW-22S, and MW-23S; and dissolved manganese at MW-12. During this reporting period, dissolved boron, dissolved sulfate, TDS, and dissolved nitrate concentrations at MW-2D and dissolved nitrate concentrations at MW-22S and MW-23S were below their respective 35 IAC 620.410 Class I Groundwater Standards, whereas dissolved boron concentrations at MW-3D and dissolved manganese concentrations at MW-12 exceeded their respective Class I Groundwater Standard.

3.4 Site Inspection

The Post-Closure Care Plan requires quarterly inspections for a minimum of 10 years until completion of the post-closure care period. Inspections are also required after storm events defined as a 25-year, 24-hour event, or 5.37 inches of precipitation. Discontinuation of the site inspections will occur after IEPA approval of the certified Post-Closure Care Report.

Site inspections include assessment of the condition and need for repair of final cover and vegetation, as wells as fencing, monitoring points, surface water control features, and the Collection Trench.

For 2024, the site inspections were performed on March 19, June 4, September 10, and November 8. Observations and subsequent actions are summarized in **Table A** below.

Inspection Month	Observation	Action Taken
March	Main gate destroyed by unknown driver.	Repair scheduled for early 2025.
March	Diver-Mate Data Collector connection issue for data download from the groundwater collection trench and discharge system.	Data was downloaded manually, investigation and repair scheduled.
June	Main gate destroyed by unknown driver.	Repair scheduled for early 2025.
June	Diver-Mate Data Collector connection issue for data download from the groundwater collection trench and discharge system.	Repairs completed in June.
September	Main gate destroyed by unknown driver.	Repair scheduled for early 2025.

Table A. Summary of 2024 Quarterly Site Inspection Observations and Actions.

Inspection Month	Observation	Action Taken
September	Leak observed in piping at Pump #1. Pump #2 did not turn on when the switch was flipped to the "Hand" position.	Repair scheduled in October 2024.
November	Main gate destroyed by unknown driver.	Repair scheduled for 2025.
November	Leaking observed in sump pit #2 when the pump was switched to the on position.	Following contractor inspection of the two pumps in October and due to a 6 – 8 week lead time on replacement pumps, Ameren directed the contractor to move the functional pump in sump pit #1 to sump pit #2. At the time of the Q4 inspection, there was no longer a pump in sump pit #1. At the end of December, the contractor conducted maintenance at sump pit #1, including clearing sediment buildup from the pit and discharge pipe, repairing the seals of the inlet and discharge pipes, and replacing the pump.

The other components of the closure system were in good condition. The inspection reports for 2024 are included in **Appendix B**.

4. EVALUATION OF COMPLIANCE

The parameters and wells with statistically significant increasing short-term trends and concentrations above the 35 IAC 620.410 Class I Groundwater Standards have been identified in **Section 3.3.3** and in **Table 3-1** for the most recent eight monitoring events (2023-2024). Dissolved boron at MW-3D and dissolved manganese at MW-12 both had a statistically significant increasing short-term trend and concentration above the Class I Groundwater Standard during the compliance period (2023-2024). The short-term increasing trend for dissolved manganese at MW-12 was isolated and not repeated from the 2022-2023 monitoring period; as such, no further action is required at this time. The short-term increasing trend for dissolved boron at MW-3D repeated over the 2022-2023 and 2023-2024 monitoring periods. As outlined below no further action is needed at this time.

As discussed in the Ash Ponds Closure, Groundwater Model Report, dated September 8, 2014 (Hanson, NRT, 2014d), and shown in Figure A below, current observed increasing trends in boron concentration at MW-3D are consistent with the initial post-closure trends in boron concentration predicted by the groundwater flow and transport model. The post-closure prediction simulation indicates decreasing trends in dissolved boron concentrations at well MW-3D will follow an initial, brief period of increasing trends. The observed short-term increases may be a result of localized changes to the groundwater flow direction near MW-3D caused by increased groundwater recharge in this area (resulting from removal of Ash Pond B) following completion of closure activities and implementation of groundwater collection trench operations, where boron concentrations associated with historic (pre-closure) impacts are now being drawn toward well MW-3D. The observed increasing trend in dissolved boron concentrations over the 2023-2024 compliance period at MW-3D follow those that are predicted by the groundwater flow and transport model developed to support the IEPA-approved closure plan for Ash Pond A, which included simulated increased recharge in the area of former Ash Pond B and operation of a collection trench. In other words, increasing trends in dissolved boron concentrations at MW-3D are anticipated due to the influence of the removal of Ash Pond B and the groundwater collection trench, and are not an indication of non-compliance with the Groundwater Monitoring Plan. At this time, and with the support of the model prediction as a superseding cause, no further action is required.

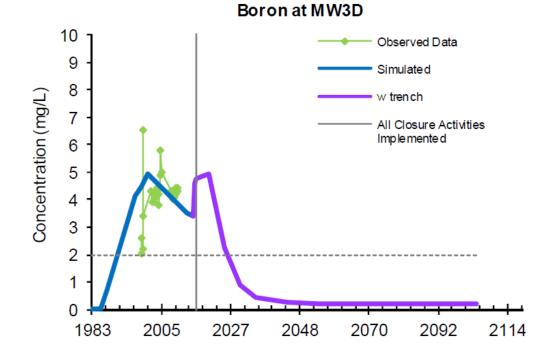


Figure A. Modeled Boron Concentrations at MW-3D from Calibration through the 90-Year Prediction Period (Hanson, NRT, 2014d).

5. CONCLUSIONS

Cover system construction and maintenance, as well as stable or decreasing dissolved boron concentrations in the majority of compliance monitoring wells across the site is a strong indication that the cover system is functioning to improve overall groundwater quality beneath the pond.

Statistical analyses of analytical results for groundwater samples collected during the 2023-2024 compliance period at the Hutsonville Ash Pond A identified both concentrations above the 35 IAC 620.410 Class I Groundwater Standard and a short-term increasing trend for dissolved boron at MW-3D and dissolved manganese at MW-12. The initial post-closure increasing trend in boron concentrations at MW-3D was predicted by the groundwater flow and transport model developed to support the IEPA-approved closure plan for Ash Pond A (**Figure A**; Hanson, NRT, 2014d). The groundwater flow and transport models also predicted that the increasing trends in boron concentrations at MW-3D will be followed by decreasing trends that will continue until concentrations achieve and maintain levels below the 35 IAC 620.410 Class I Groundwater Standard for boron. The concentrations at MW-12 were isolated and not repeated from the 2022-2023 monitoring period. As such, no further action is required at this time for short-term increasing trends observed in this 2023-2024 monitoring period for MW-3D and MW-12. The concentrations of indicator parameters will continue to be monitored and evaluated in 2025.

6. **REFERENCES**

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TABLES

Table 1-1. Groundwater Monitoring Program Schedule2024 Annual Report

Former Hutsonville Power Station - Ash Pond A

Frequency	Duration	Sampling Quarter	Report Due Date
	Begins: January 2016		
	begins. January 2010	January- March (1)	May 31
		April - June (2)	August 31
		July - September (3)	November 30
	Ends: After successful completion of the post-closure activities required and approval of the Illinois EPA.	October - December (4)	February 28



Table 1-2. Groundwater Monitoring System Wells

2024 Annual Report

Former Hutsonville Power Station - Ash Pond A

Well	Installation Date	Surface Elevation ¹ (ft, MSL ²)	TOC ^{1, 3} Elevation (ft, MSL ²)	Top of Screen Elevation ⁴ (ft, MSL ²)	Bottom of Screen Elevation ⁴ (ft, MSL ²)	Total Well Depth ⁵ (ft, BGS²)	Objective	Position	Monitoring Zone ⁶
Ash Pond A Groundwate	r Monitoring Syst	em Wells: Wate	er Quality and G	Groundwater Elev	vations				
MW-2R	6/4/2012	453.0	455.37	446.0	435.3	17.8	Compliance	Downgradient	UZ - s&g
MW-2D	10/14/2015	452.9	455.42	435.1	430.4	23.1	Compliance	Downgradient	UZ - ss
MW-3	2/9/1984	453.7	454.84	447.7	442.7	11.0	Compliance	Downgradient	UZ - s&g
MW-3D	10/6/1998	453.57	455.01	433.6	428.6	25.0	Compliance	Downgradient	UZ - ss
MW-4	2/13/1984	454.0	456.76	449.4	441.9	12.1	Compliance	Downgradient	UZ - s&g, ss
MW-5	2/13/1984	452.1	454.67	447.3	434.3	17.8	Compliance	Downgradient	UZ - s&g, ss
MW-10 ⁷	10/7/1998	452.9	454.23	447.2	442.2	10.7	Background	Upgradient	UZ - si s&g, ss
MW-10D ⁷	10/7/1998	452.9	454.65	436.6	431.6	21.3	Background	Upgradient	UZ - ss
MW-235 ⁷	11/28/2017	453.4	456.03	444.2	438.9	14.5	Background	Upgradient	UZ - s si, si s, ss
MW-23D ⁷	11/28/2017	453.5	455.90	434.0	428.7	24.8	Background	Upgradient	UZ - ss, sh
MW-12	10/8/1998	455.5	456.74	448.6	438.6	16.9	Compliance	Downgradient	UZ - s&g
MW-22S	10/14/2015	449.2	451.48	441.9	437.2	12.7	Compliance	Downgradient	UZ - si s&g, ss
MW-22D	10/14/2015	449.1	451.36	431.7	427.0	22.7	Compliance	Downgradient	UZ - si s&g, ss
Other Monitoring Wells a	and Piezometers:	Groundwater E	levations						
MW-6	2/9/1984	438.7	443.17	433.9	427.5	11.2			UZ - s&g, ss
MW-7	2/8/1984	439.9	442.28	422.9	412.9	27.0			UZ - si s&g
MW-7D	10/5/1998	438.9	442.75	398.2	393.2	45.7			LZ - si s&g
MW-8	2/8/1984	440.0	443.65	422.9	417.9	22.1			UZ - si sand
MW-9	2/14/1984	451.7	454.38	443.5	433.5	18.2			UZ - s&g
MW-11R	10/3/2001	440.4	443.01	435.4	425.4	15.0			UZ - s&g
MW-14	10/3/2001	440.1	442.89	412.9	407.9	32.2			LZ - s&g
MW-115S	5/1/2004	438.7	440.88	408.4	403.4	35.3			LZ - s&g
MW-115D	5/1/2004	439.1	441.39	356.4	351.4	87.7			LZ - s&g
MW-121	10/2/2001	439.2	440.23	403.8	398.8	40.3			LZ - s&g

Notes:

[O: JJW 4/22/19; C:EDP 4/22/19]

1. Well survey data collected by Lamac Engineering November 30, 2017 to December 1, 2017.

2. BGS = below ground surface; MSL = mean sea level.

3. TOC = top of casing

4. Screen elevations presented in the table reflect values provided in boring logs or well construction forms and assume no changes to the screen elevations occurred after well installation.

5. The total well depth is assumed to be equal to the depth to the bottom of screen from ground surface when data is not available in boring logs or well construction forms.

6. UZ = Upper Zone, LZ = Lower Zone (deep alluvial aquifer); s = sand or sandy, s&g = sand and gravel, si = silt or silty, ss = sandstone, sh = shale

7. Background wells MW-10 and MW-10D were damaged and replaced with background wells MW-23D and MW-23S.

-- Not applicable. Wells listed are for development of groundwater elevation contour maps only.



Table 1-3. Groundwater Monitoring Program Parameters

2024 Annual Report

Former Hutsonville Power Station - Ash Pond A

Field Parameters	STORET Code
pH ²	00400
Specific Conductance ²	00094
Temperature (Fahrenheit)	00011
Depth to Water (BMP)	72109
Elevation of GW Surface ²	71993
Depth of Well (BGS) ²	72008
Elevation of Measuring Point	72110
Laboratory Parameters ¹	STORET Code
Boron ²	01020
lron ²	01046
Manganese ²	01056
Sulfate ²	00946
Total Dissolved Solids (TDS) ²	70300
Antimony	01095
Arsenic	01000
Barium	01005
Beryllium	01010
Cadmium	01025
Chloride	00941
Chromium	01030
Cobalt	01035
Copper	01040
Cyanide	00720
Fluoride	00950
Lead	01049
Mercury	71890
Nickel	01065
Nitrate as N	00618
Selenium	01145
Silver	01075
Thallium	01057
Vanadiium	01085
Zinc	

[O: YD/SJC, C: YD/SJC]

Notes:

¹ Reported as dissolved (filtered) concentrations.

² Mandatory monitoring parameter per 35 IAC 840.114(a).

Table 3-1. Trend Analysis Results 2024 Annual Report Former Hutsonville Power Station - Ash Pond A

	MW-2R	MW-2D	MW-3	MW-3D	MW-4	MW-5	MW-12	MW-22D	MW-22S	MW-23D	MW-23S
Number of Samples	8	8	0	8	3	8	8	8	8	8	8
Antimony, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Arsenic, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Barium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Beryllium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Boron, dissolved	-	Increase	ID	Increase	ID	None	None	None	None	None	None
Cadmium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Chloride, dissolved	-	+	ID	+	ID	None	Decrease	None	+	None	+
Chromium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Cobalt, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Copper, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Cyanide, total	None	None	ID	None	ID	None	None	None	None	None	None
Fluoride, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Iron, dissolved	None	None	ID	Decrease	ID	None	None	-	-	None	None
Lead, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Manganese, dissolved	None	None	ID	-	ID	None	Increase	+	Decrease	None	None
Mercury, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Nickel, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Nitrate nitrogen, dissolved	-	Increase	ID	-	ID	-	+	None	Increase	None	Increase
Selenium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Silver, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Sulfate, dissolved	+	Increase	ID	-	ID	-	-	-	+	+	-
Thallium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Total Dissolved Solids	+	Increase	ID	+	ID	+	+	+	-	+	+
Vanadium, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Zinc, dissolved	None	None	ID	None	ID	None	None	None	None	None	None
Notes:										[O:KJS 01/10/25	, C: KLT 1/15/25

- "+" indicates that the Sen's non-parametric estimate of the median slope is positive.

- "-" indicates that the Sen's non-parametric estimate of the median slope is negative.

- "Decrease" indicates a statistically significant decreasing trend

- "Increase" indicates a statistically significant increasing trend

- Mann Kendall Trend analysis done with non-detects at one half the reporting limit.

- The most recent eight sampling events were used for analysis; date range for this analysis is 1/1/2023-12/31/2024.

- Green shading indicates increasing trends as determined using the Mann-Kendall test at 95% confidence for constituents with maximum concentration lower than the Class I groundwater quality standard.

- Yellow shading indicates increasing trends as determined using the Mann-Kendall test at 95% confidence for constituents with maximum concentration higher than the Class I groundwater quality standard.

- ID indicated that there was insufficient data to perform Sen's Estimate of Slope.



Table 3-2. Summary of Trend Analyses2024 Annual ReportFormer Hutsonville Power Station - Ash Pond A

Time Period	Short-Term Increasing Trends	Long-Term Decreasing Concentration Patterns
2016-2017	8	
2017-2018	9	
2018-2019	10	
2019-2020	3	18
2020-2021	4	10
2021-2022	0	
2022-2023	8	
2023-2024	8	

[O:KJS 1/10/24, C: KLT 1/15/25]

Notes:

Trends based on data collected during the specified periods.

The number of samples per well location for short-term trends are noted on Table 3-1. Long-terms trends were calculated with data since completion of closure in March 2017. FIGURES

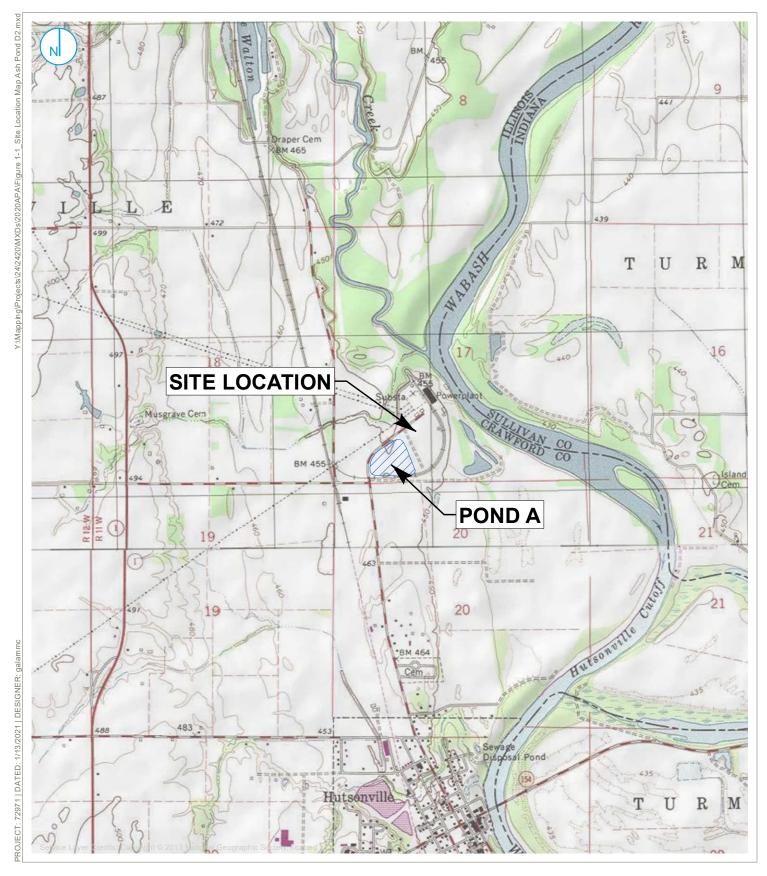


FIGURE 1-1

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC A RAMBOLL COMPANY



SITE LOCATION MAP

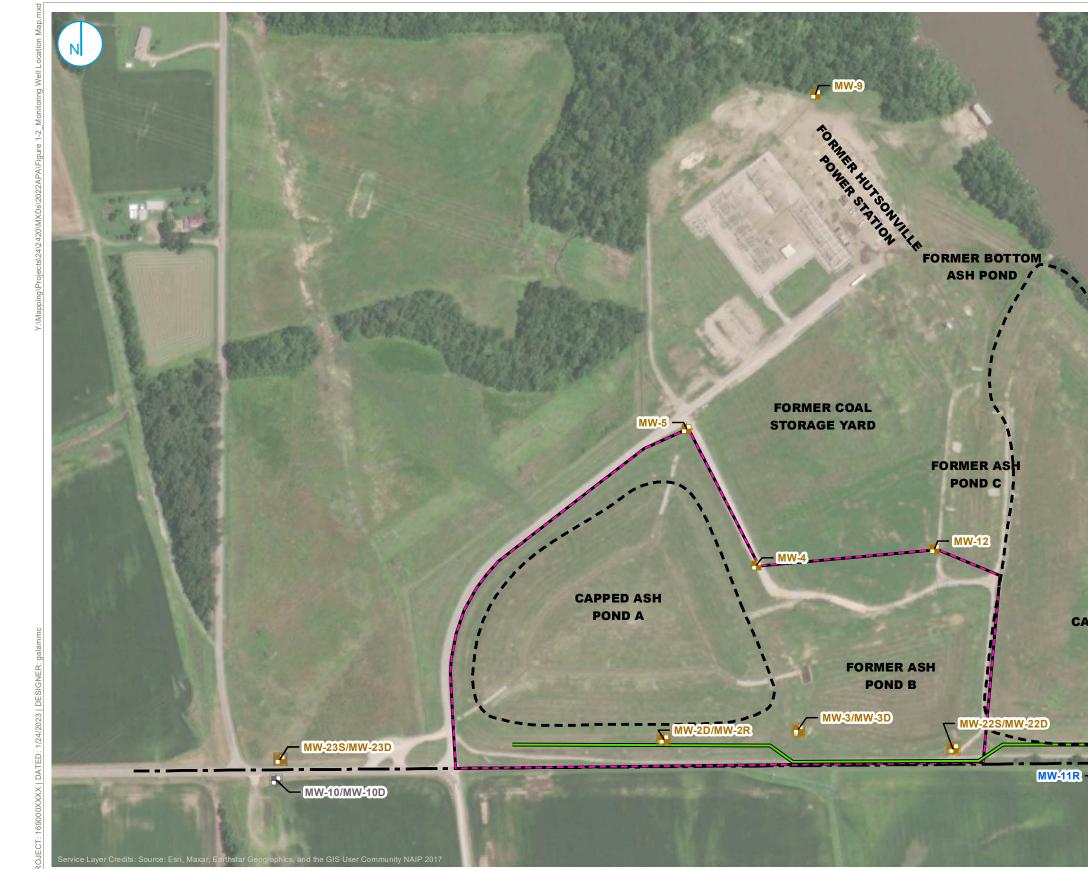
2024 ANNUAL REPORT FORMER HUTSONVILLE **POWER STATION - ASH POND A** AMEREN ENERGY MEDINA VALLEY COGEN, LLC HUTSONVILLE, IL

1,000 2,000 - Feet 1



Map Scale: 1:1:24,000; Map Center: 87°39'45"W 39°7'53"N

0



ASH POND D MONITORING WELL LOCATION

150

- NESTED ASH POND D MONITORING WELL LOCATION
- ASH POND A MONITORING WELL LOCATION

300

- Feet

- NESTED ASH POND A MONITORING PROPERTY LINE WELL LOCATION
- ABANDUNED NEL ABANDONED NESTED MONITORING

- APPROXIMATE BOUNDARY OF
 ACAPPED ASH POND
- GROUNDWATER COLLECTION TRENCH (BEGAN OPERATION APRIL 2015)
- LIMITS OF GROUNDWATER MANAGEMENT ZONE

MONITORING WELL LOCATION MAP

2024 ANNUAL REPORT FORMER HUTSONVILLE POWER STATION - ASH POND A AMEREN ENERGY MEDINA VALLEY COGEN, LLC HUTSONVILLE, IL

MW-



FIGURE 1-2





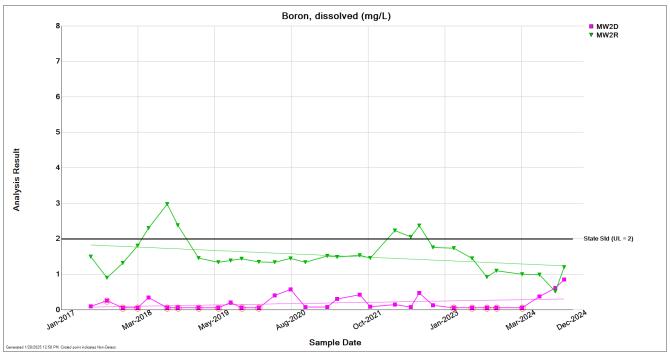


Figure 1-3. Boron concentrations since 2017 at compliance wells MW-2D and MW-2R. The Class I Groundwater Standard is not applicable within the GMZ and is shown for reference only. Circled results indicate non-detects.

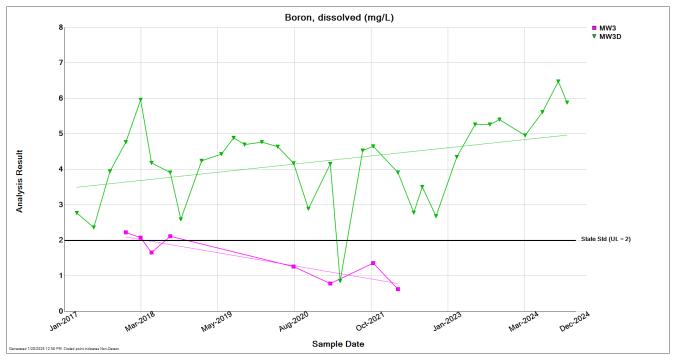


Figure 1-4. Boron concentrations since 2017 at compliance wells MW-3 and MW-3D. The Class I Groundwater Standard is not applicable within the GMZ and is shown for reference only.



ENVIRONMENT & HEALTH

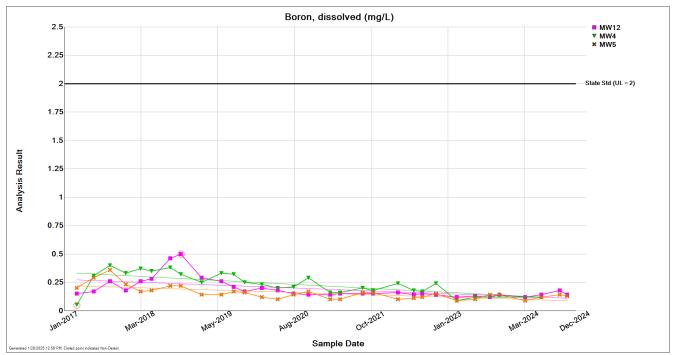


Figure 1-5. Boron concentrations since 2017 at compliance wells MW-4, MW-5, and MW-12. The Class I Groundwater Standard is not applicable within the GMZ and is shown for reference only. Circled results indicate non-detects.

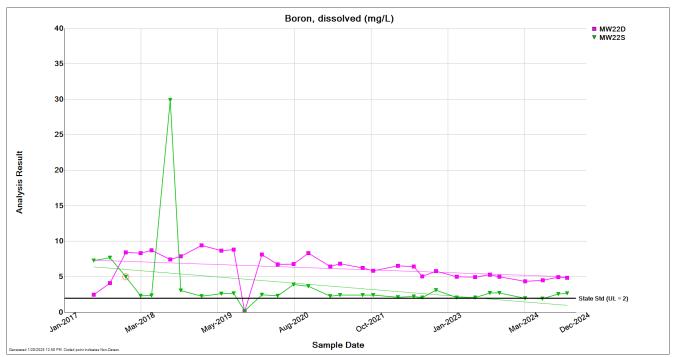


Figure 1-6. Boron concentrations since 2017 at compliance wells MW-22S and MW-22D. The Class I Groundwater Standard is not applicable within the GMZ and is shown for reference only. Circled results indicate non-detects.



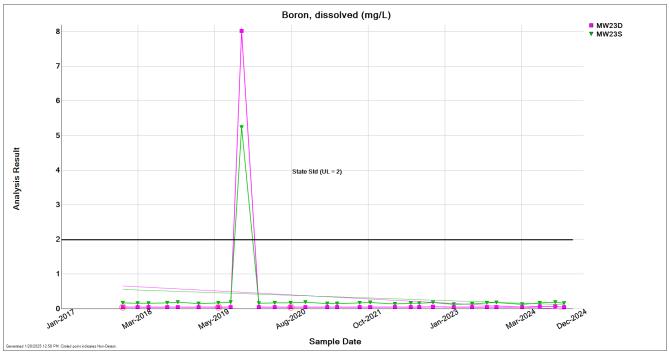
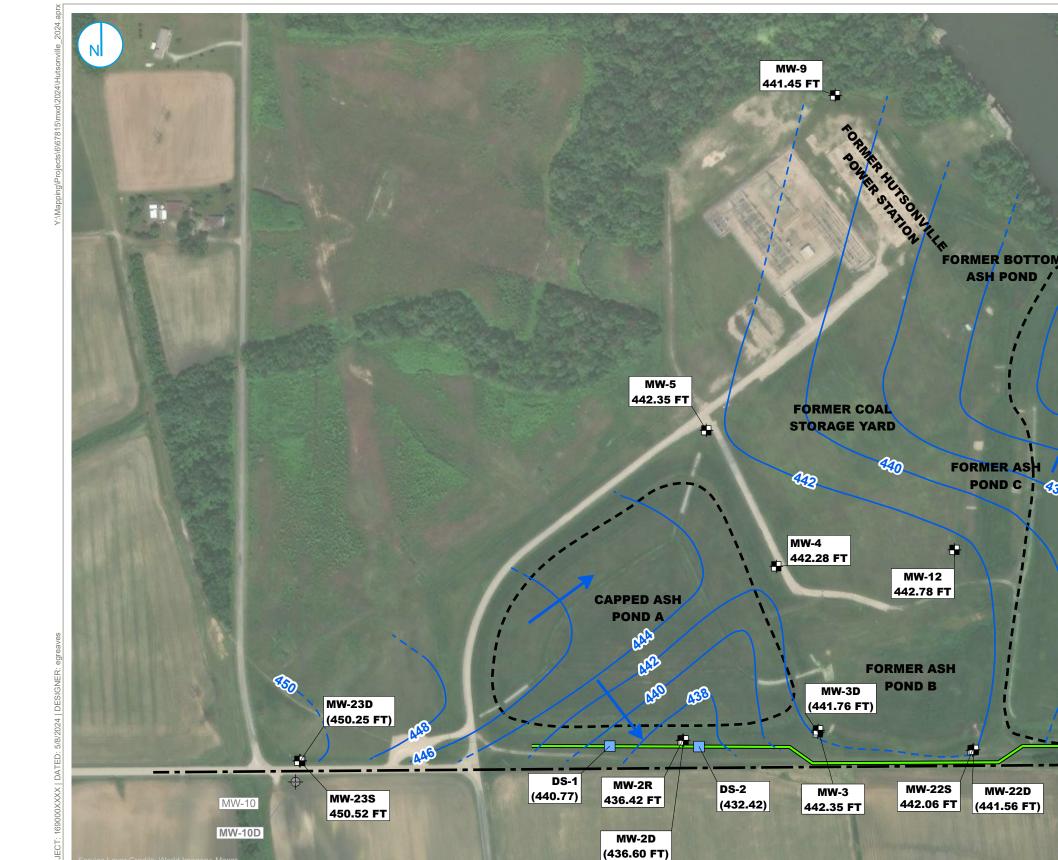


Figure 1-7. Boron concentrations since 2017 at compliance wells MW-23S and MW-23D. The Class I Groundwater Standard is not applicable within the GMZ and is shown for reference only. Circled results indicate non-detects.



GROUNDWATER COLLECTION TRENCH (BEGAN OPERATION APRIL 2015)

Notes

GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL)

→ GROUNDWATER FLOW DIRECTION

- - - INFERRED GROUNDWATER ELEVATION CONTOUR

- **-**UPPER MIGRATION ZONE MONITORING WELL
- DEEP MIGRATION ZONE MONITORING WELL
- \oplus ABANDONED MONITORING WELL LOCATION
- DEWATERING SUMP
- PROPERTY LINE
- APPROXIMATE BOUNDARY OF CAPPED ASH POND

a) VIO OF 1988.
b) GROUNDWATER ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
c) WABASH RIVER ELEVATIONS AS REPORTED BY USGS FROM USGS 03342000 WABASH RIVER AT RIVERTON, IN LOCATED APPROXIMATELY 12.5 RIVER MILES DOWNSTREAM. 4) WATER ELEVATIONS WERE COLLECTED FOR DEWATERING SUMP LOCATIONS ON THE SAME DAY GROUNDWATER ELEVATIONS WERE RECORDED AND REPRESENT THE MINIMUM RECORDED VALUE.

1) GROUNDWATER AND RIVER ELEVATIONS REPORTED IN FEET NORTH AMERICAN VERTICAL

Q1 UPPER MIGRATION ZONE GROUNDWATER ELEVATION CONTOUR MAP MARCH 18, 2024

DS-3

(427.80)

MW-11R

(432.81 FT)

Co Sol

434

436

438

ASH POND

POND C

MW-22D

2024 ANNUAL REPORT FORMER HUTSONVILLE POWER STATION - ASH POND A AMEREN ENERGY MEDINA VALLEY COGEN, LLC HUTSONVILLE, IL

I Feet

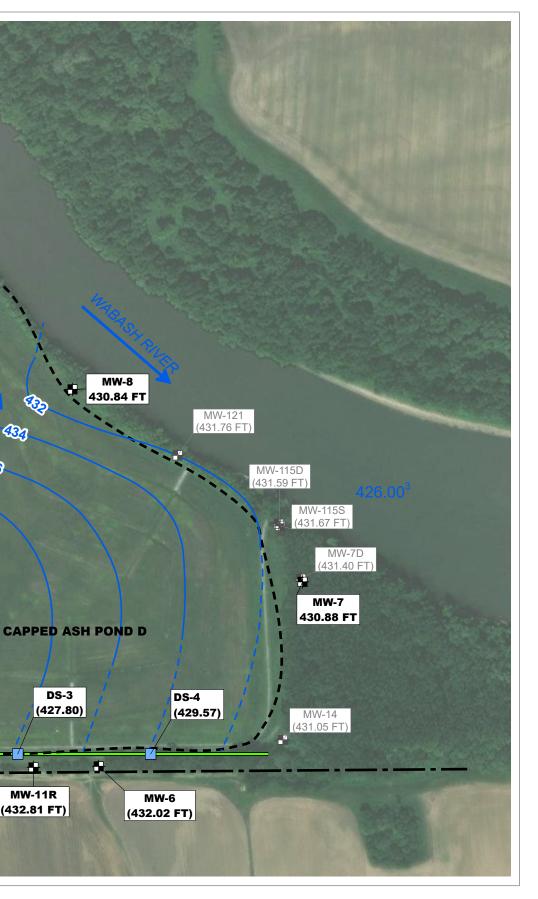
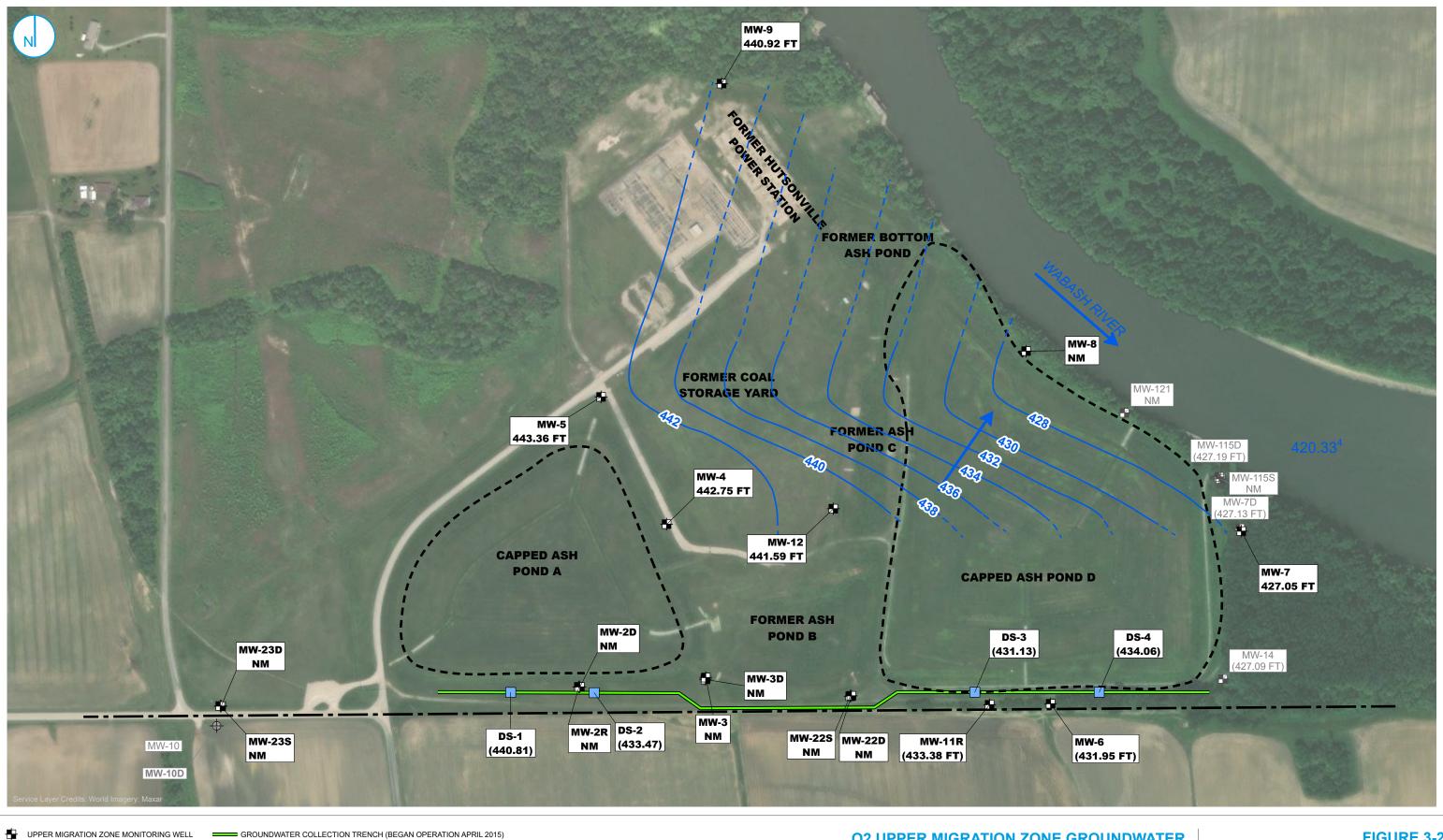


FIGURE 3-1





 \oplus ABANDONED MONITORING WELL LOCATION GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL)

→ GROUNDWATER FLOW DIRECTION

- - - INFERRED GROUNDWATER ELEVATION CONTOUR

Notes

1) NM= NOT MEASURED

- DEWATERING SUMP
- PROPERTY LINE
- APPROXIMATE BOUNDARY OF CAPPED ASH POND

I Feet

2) GROUNDWATER AND RIVER ELEVATIONS REPORTED IN FEET NORTH AMERICAN VERTICAL a) GROUNDWATER ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
4) WABASH RIVER ELEVATIONS AS REPORTED BY USGS FROM USGS 03342000 WABASH RIVER AT RIVERTON, IN LOCATED APPROXIMATELY 12.5 RIVER MILES DOWNSTREAM.

5) WATER ELEVATIONS WERE COLLECTED FOR DEWATERING SUMP LOCATIONS ON THE SAME DAY GROUNDWATER ELEVATIONS WERE RECORDED AND REPRESENT THE MINIMUM RECORDED VALUE.

Q2 UPPER MIGRATION ZONE GROUNDWATER ELEVATION CONTOUR MAP JUNE 17, 2024

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FIGURE 3-2





-UPPER MIGRATION ZONE MONITORING WELL

- DEEP MIGRATION ZONE MONITORING WELL
- \oplus ABANDONED MONITORING WELL LOCATION DEWATERING SUMP
- PROPERTY LINE
- APPROXIMATE BOUNDARY OF CAPPED ASH POND

GROUNDWATER COLLECTION TRENCH (BEGAN OPERATION APRIL 2015) GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL)

→ GROUNDWATER FLOW DIRECTION

Res.

MW-23D

(446.84)

MW-23S

446.90

 \oplus

- Notes 1) NM= NOT MEASURED - - INFERRED GROUNDWATER ELEVATION CONTOUR

R.

MW-2D

MW-2R DS-2

441.58 NM

(441.58)

MW-5 441.94

CAPPED ASH

POND A

DS-1 NM

 (1) NMI- NOT MEASURED
 (2) GROUNDWATER AND RIVER ELEVATIONS REPORTED IN FEET NORTH AMERICAN VERTICAL DATUM OF 1988.
 (3) GROUNDWATER ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING.
 (4) WABASH RIVER ELEVATIONS AS REPORTED BY USGS FROM USGS 03342000 WABASH RIVER AT RIVERTON, IN LOCATED APPROXIMATELY 12.5 RIVER MILES DOWNSTREAM.

5) WATER ELEVATIONS WERE COLLECTED FOR DEWATERING SUMP LOCATIONS ON THE SAME DAY GROUNDWATER ELEVATIONS WERE RECORDED AND REPRESENT THE MINIMUM RECORDED VALUE.

Q3 UPPER MIGRATION ZONE GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 23, 2024

DS-3

NM

2024 ANNUAL REPORT FORMER HUTSONVILLE POWER STATION - ASH POND A AMEREN ENERGY MEDINA VALLEY COGEN, LLC HUTSONVILLE, IL

I Feet

MW-10

MW-10D

MW-22D MW-22S (440.00) MW-11R 440.28 (428.73)

MW-9 439.44

TRIION

FORMER COAL

STORAGE YARD

MW-4

441.85

MW-3

442.26

NAR

MW-12

442.26

FORMER ASH

POND B

MW-3D (441.49) FORMER BOTTOM ASH POND

FORMER ASH

POND C

830

3

434

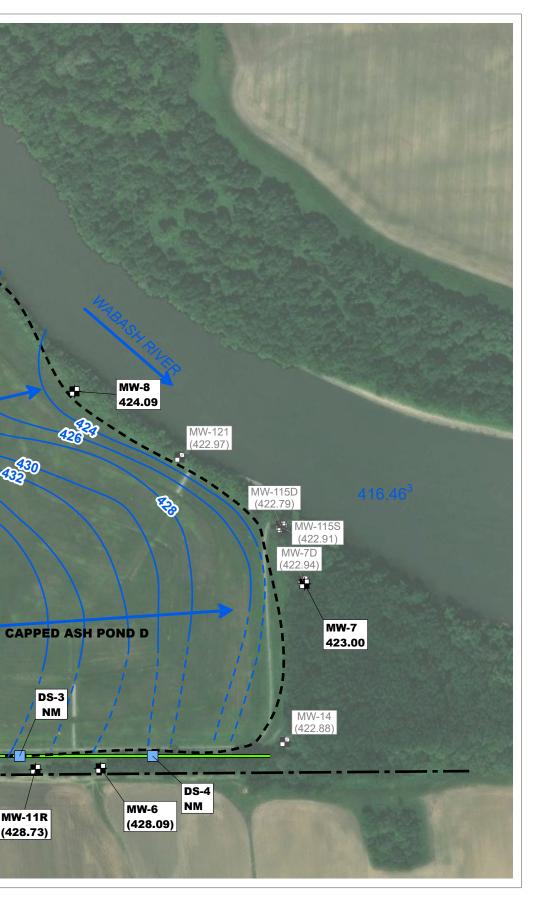


FIGURE 3-3





- - UPPER MIGRATION ZONE MONITORING WELL

MW-10

MW-10D

DEEP MIGRATION ZONE MONITORING WELL ABANDONED MONITORING WELL LOCATION

300

I Feet

- DEWATERING SUMP
- PROPERTY LINE

- APPROXIMATE BOUNDARY OF CAPPED ASH POND
- GROUNDWATER COLLECTION TRENCH (BEGAN OPERATION APRIL 2015) GROUNDWATER ELEVATION CONTOUR (2-FT CONTOUR INTERVAL)
- → GROUNDWATER FLOW DIRECTION

- - - INFERRED GROUNDWATER ELEVATION CONTOUR

B

R

Notes

1) NM= NOT MEASURED 2) GROUNDWATER AND RIVER ELEVATIONS REPORTED IN FEET NORTH AMERICAN VERTICAL DATUM OF 1988.

MW-2R

3) GROUNDWATER ELEVATIONS IN PARENTHESES WERE NOT USED FOR CONTOURING. 4) WABASH RIVER ELEVATIONS AS REPORTED BY USGS FOR USGS 03342000 WABASH RIVER FORMER HUTSONVILLE POWER STATION - ASH POND A AT RIVERTON, IN LOCATED APPROXIMATELY 12.5 RIVER MILES DOWNSTREAM. 5) WATER ELEVATIONS WERE COLLECTED FOR DEWATERING SUMP LOCATIONS ON THE

DS-2

MW-3

442.32

(433.50)

Q4 UPPER MIGRATION ZONE GROUNDWATER ELEVATION CONTOUR MAP NOVEMBER 11, 2024

2024 ANNUAL REPORT AMEREN ENERGY MEDINA VALLEY COGEN, LLC HUTSONVILLE, IL

SAME DAY. GROUNDWATER ELEVATIONS WERE RECORDED AND REPRESENT THE MINIMUM RECORDED VALUE.

MW-9 439.56

> FORMER BOTTOM ASH POND

> > **4**32

FORMER ASH POND C

434

MW-12

441.79

FORMER ASH

POND B

MW-22D

(440.00)

A

-

MW-22S

440.28

436

FORMER COAL **STORAGE YARD**

> MW-4 441.78

> > MW-3D

(441.26)

ω 8

MW-5

441.46

CAPPED ASH

POND A

<u>^38</u>

MW-2D

(440.81) (436.72) 436.65

²

DS-1

43

428

DS-3

MW-11R

(427.96)

(428.48)

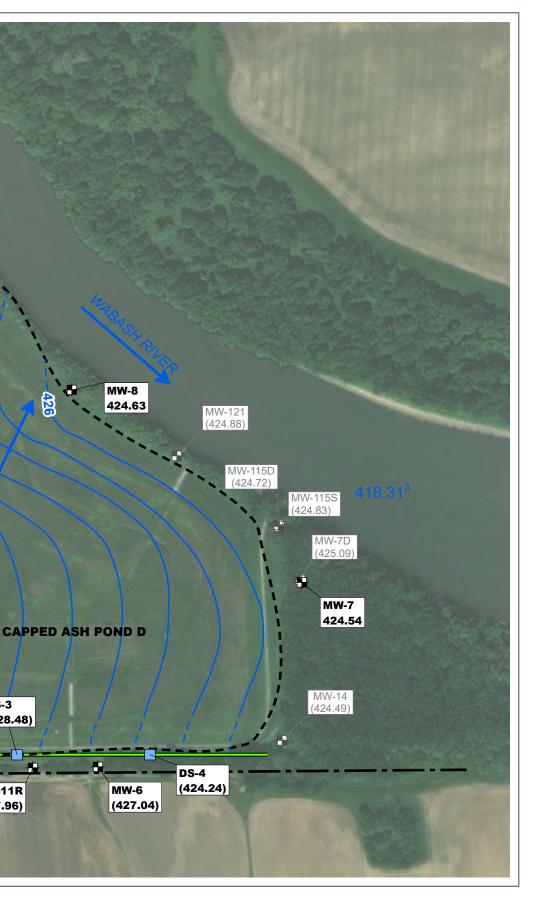


FIGURE 3-4

RAMBOLL AMERICAS ENGINEERING SOLUTIONS, INC





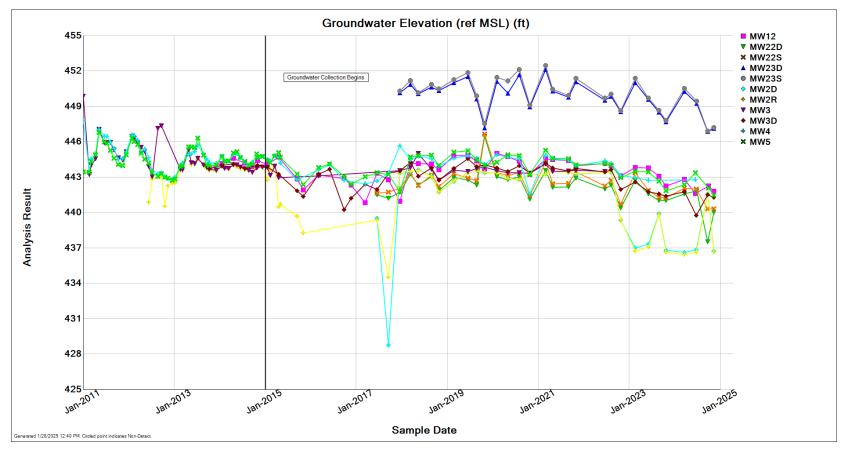


Figure 3-5. Groundwater elevations near groundwater collection trench.



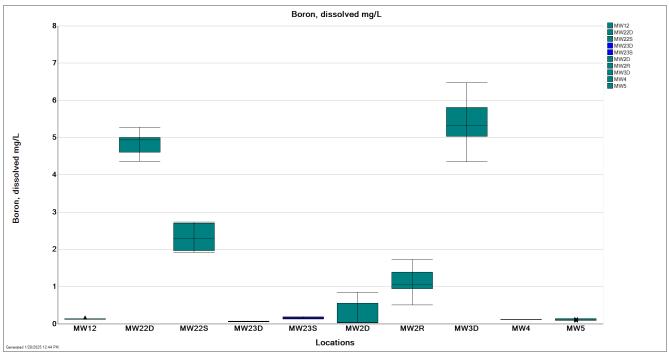


Figure 3-6. Box-whisker plot showing distribution of **boron** concentration by monitoring well for data collected in 2023 and 2024. Notes: Box-whisker plots for background wells are blue and box-whisker plots for compliance wells are green. MW-3 was dry during these sampling events and is not shown on this figure.

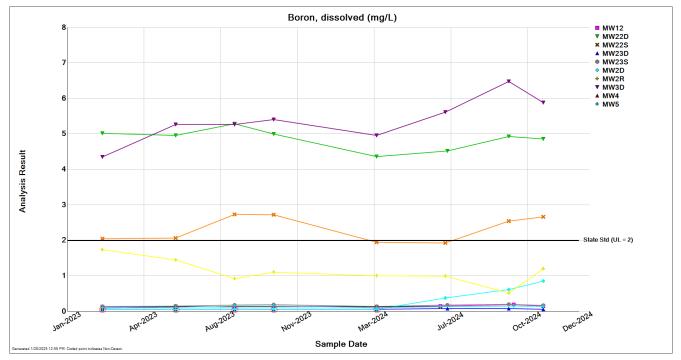


Figure 3-7. Boron concentrations during the reporting period (2023-2024) at all background and compliance wells. Notes: Circled results indicate non-detects. MW-3 was dry during these sampling events and is not shown on this figure.



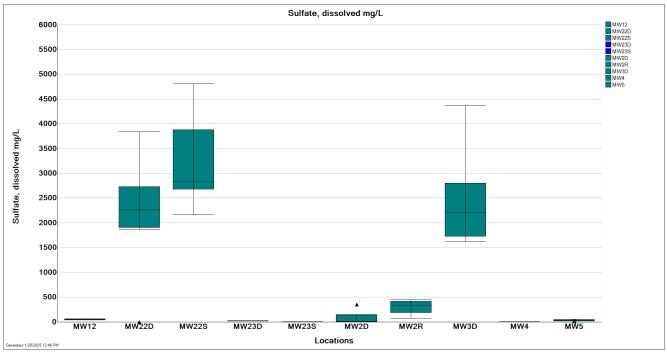


Figure 3-8. Box-whisker plot showing distribution of **sulfate** concentration by monitoring well for data collected in 2023 and 2024. Notes: Box-whisker plots for background wells are blue and box-whisker plots for compliance wells are green. MW-3 was dry during these sampling events and is not shown on this figure.

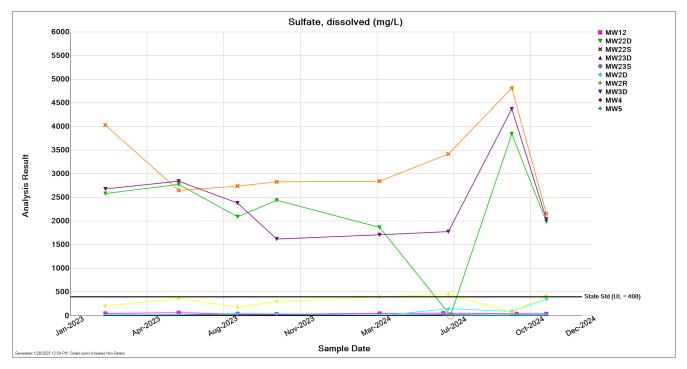


Figure 3-9. Sulfate concentrations during the reporting period (2023-2024) at all background and compliance wells. Notes: Circled results indicate non-detects. MW-3 was dry during these sampling events and is not shown on this figure.



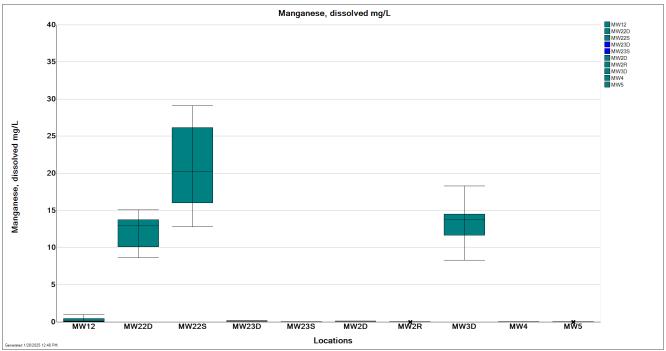


Figure 3-10A. Box-whisker plot showing distribution of **manganese** concentration by monitoring well for data collected in 2023 and 2024. Notes: Box-whisker plots for background wells are blue and box-whisker plots for compliance wells are green. MW-3 was dry during these sampling events and is not shown on this figure.

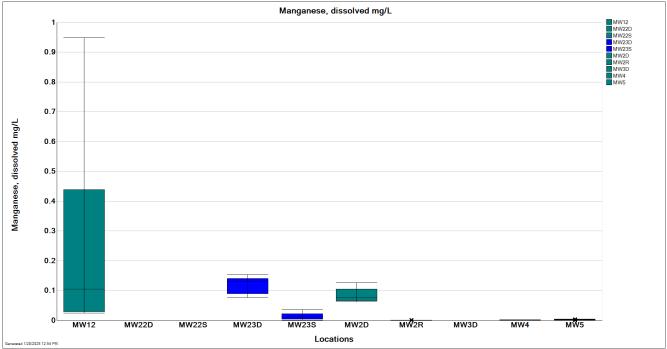


Figure 3-10B. Box-whisker plot showing distribution of **manganese** concentration by monitoring well for data collected in 2023 and 2024 (zoomed in). Notes: Box-whisker plots for background wells are blue and box-whisker plots for compliance wells are green. MW-3 was dry during these sampling events and is not shown on this figure.



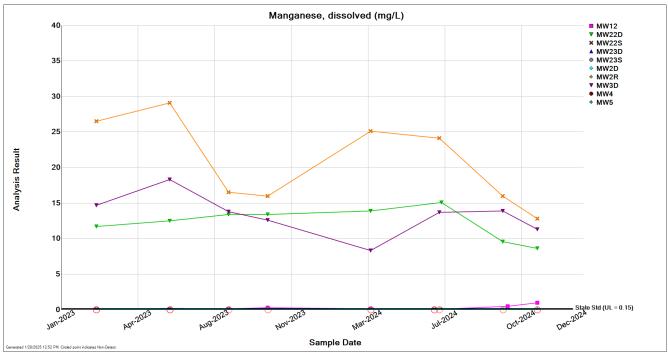


Figure 3-11A. Manganese concentrations during the reporting period (2023-2024) at all background and compliance wells. Notes: Circled results indicate non-detects. MW-3 was dry during these sampling events and is not shown on this figure.

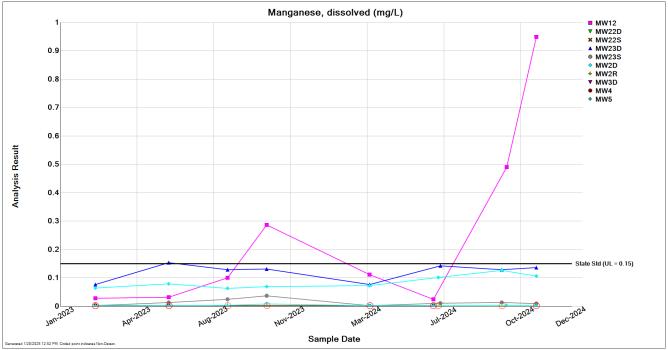


Figure 3-11B. Manganese concentrations during the reporting period (2023-2024) at all background and compliance wells. Zoomed in to show the Class I groundwater standard. Notes: Circled results indicate non-detects. MW-3 was dry during these sampling events and is not shown on this figure.



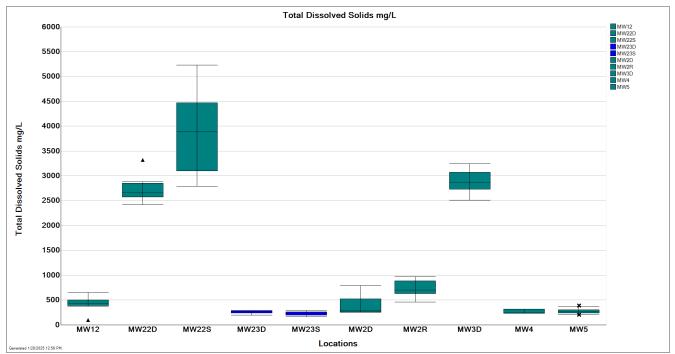


Figure 3-12. Box-whisker plot showing distribution of **total dissolved solids** concentration by monitoring well for data collected in 2023 and 2024. Note: Box-whisker plots for background wells are blue and box-whisker plots for compliance wells are green. MW-3 was dry during these sampling events and is not shown on this figure.

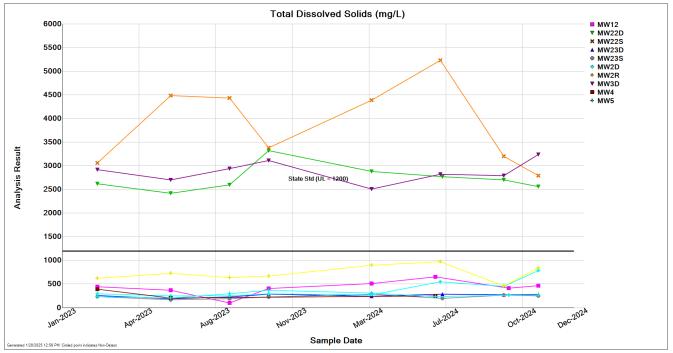


Figure 3-13. Total Dissolved Solids concentrations during the reporting period (2023-2024) at all background and compliance wells. Note: MW-3 was dry during these sampling events and is not shown on this figure.

APPENDIX A GROUNDWATER MONITORING RESULTS 2023-2024

Date Range: 01/01/2023 to 12/30/2024 Well: MW2D

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/24/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	0.0086	0.0081	0.0067	0.0076	0.0086	0.0037	0.0030	0.0025
B, diss, mg/L	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	0.3700	0.6100	0.8500
Ba, diss, mg/L	0.072	0.060	0.066	0.061	0.084	0.212	0.113	0.252
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	10.9	12.5	12.9	14.2	13.4	10.1	15.2	6.3
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	0.03	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	0.2	0.2	< 0.1	0.2	<0.1	0.2	< 0.1	< 0.1
Fe, diss, mg/L	0.774	0.031	0.191	0.086	1.950	< 0.010	0.187	0.455
GW Depth (TOC), ft	18.45	18.10	15.54	18.62	18.82	18.60	13.84	18.70
GW Elv, ft	436.97	437.32	439.88	436.80	436.60	436.82	441.58	436.72
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	0.0640	0.0793	0.0625	0.0686	0.0730	0.1010	0.1260	0.1060
Ni, diss, mg/L	0.0003	0.0007	< 0.0003	0.0002	0.0002	0.0004	0.0014	< 0.0003
NO3, diss, mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	0.408	0.883	0.814
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	7.21	7.45	7.47	7.41	7.23	7.55	7.47	7.49
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0021	< 0.0005	0.0029
SO4, diss, mg/L	5.3	6.3	5.3	6.6	7.2	149.0	95.0	352.0
Spec. Cond. (field), micromho	380	472	539	490	452	652	458	957
TDS, mg/L	292	252	250	296	274	550	448	790
Temp (Fahrenheit), degrees F	60.7	64.8	74.8	65.8	56.0	67.5	63.4	61.0
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Date Range: 01/01/2023 to 12/30/2024 Well: MW2R

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/24/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
B, diss, mg/L	1.7300	1.4500	0.9200	1.1000	1.0000	0.9900	0.5100	1.2000
Ba, diss, mg/L	0.041	0.045	0.040	0.044	0.055	0.054	0.027	0.045
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	13.2	12.3	15.0	8.6	5.9	5.1	16.1	4.4
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0003	< 0.0010
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	<0.1	< 0.1	<0.1	< 0.1	<0.1	<0.1	< 0.1	<0.1
Fe, diss, mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
GW Depth (TOC), ft	18.65	18.30	15.56	18.71	18.95	18.75	13.79	18.72
GW Elv, ft	436.72	437.07	439.81	436.66	436.42	436.62	441.58	436.65
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Ni, diss, mg/L	0.0006	< 0.0003	< 0.0003	0.0007	0.0006	0.0010	0.0005	< 0.0003
NO3, diss, mg/L	3.120	2.040	6.720	1.350	1.260	1.290	9.400	1.140
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	7.01	7.15	7.09	7.20	7.02	7.23	7.33	7.31
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	0.0106	0.0083	0.0037	0.0054	0.0054	0.0050	0.0012	0.0038
SO4, diss, mg/L	207.0	363.0	180.0	304.0	401.0	452.0	72.3	423.0
Spec. Cond. (field), micromho	776	1030	970	948	1010	1210	576	1150
TDS, mg/L	620	728	638	668	898	972	458	840
Temp (Fahrenheit), degrees F	61.4	69.7	71.2	63.8	56.5	71.3	64.4	60.9
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Date Range: 01/01/2023 to 12/30/2024 Well: MW3D

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/24/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	0.0036	0.0006	< 0.0003	< 0.0003	0.0014	0.0011	< 0.0003	0.0006
B, diss, mg/L	4.3500	5.2600	5.2600	5.4000	4.9500	5.6100	6.4700	5.8800
Ba, diss, mg/L	0.011	0.010	0.013	0.011	0.010	0.011	0.011	0.012
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	0.0107	0.0033	0.0026	0.0020	0.0043	0.0038	0.0019	0.0041
Cl, diss, mg/L	13.9	13.8	17.8	19.0	14.0	16.7	20.1	16.8
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	0.296	0.092	0.039	0.029	0.112	0.124	0.061	0.133
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cu, diss, mg/L	0.0026	< 0.0005	< 0.0005	< 0.0005	0.0013	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	1.4	0.5	< 0.1	< 0.1	0.4	0.4	0.2	0.2
Fe, diss, mg/L	12.300	11.100	7.220	6.460	2.230	1.850	2.010	1.420
GW Depth (TOC), ft	12.45	13.25	13.45	13.64	13.25	15.28	13.52	13.75
GW Elv, ft	442.56	441.76	441.56	441.37	441.76	439.73	441.49	441.26
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	14.7000	18.3000	13.8000	12.6000	8.3000	13.7000	13.9000	11.3000
Ni, diss, mg/L	0.3350	0.1520	0.1230	0.0902	0.1860	0.1730	0.1020	0.1680
NO3, diss, mg/L	1.250	1.080	0.294	< 0.100	0.769	0.540	< 0.100	0.575
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	4.60	5.71	5.89	6.04	5.69	6.10	6.21	6.05
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	< 0.0200	< 0.0020	< 0.0005	< 0.0005	< 0.0050	< 0.0025	< 0.0005	< 0.0050
SO4, diss, mg/L	2680.0	2840.0	2380.0	1620.0	1710.0	1780.0	4370.0	2040.0
Spec. Cond. (field), micromho	2210	2080	970	2550	1850	2510	2390	4
TDS, mg/L	2920	2700	2940	3110	2510	2820	2790	3240
Temp (Fahrenheit), degrees F	58.7	65.4	75.0	66.2	54.6	66.9	62.3	61.1
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	0.07	0.02	0.01	0.01	0.04	0.03	0.02	0.03

Date Range: 01/01/2023 to 12/30/2024 Well: MW4

	2/20/2023	6/5/2023	6/17/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	< 0.0003	< 0.0003	< 0.0003
B, diss, mg/L	0.0900	0.1200	0.1200
Ba, diss, mg/L	0.010	0.010	0.009
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	0.5	3.0	0.4
CN, total, mg/L	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	0.0004	0.0005	0.0004
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	<0.1	<0.1	< 0.1
Fe, diss, mg/L	< 0.010	< 0.010	< 0.010
GW Depth (TOC), ft	13.82	14.04	14.01
GW Elv, ft	442.94	442.72	442.75
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	0.0030	< 0.0010	< 0.0010
Ni, diss, mg/L	0.0002	0.0008	0.0002
NO3, diss, mg/L	1.220	0.540	0.635
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001
pH (field), STD	7.08	7.27	7.63
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	0.0017	0.0013	0.0012
SO4, diss, mg/L	14.7	9.3	6.7
Spec. Cond. (field), micromho	251	405	354
TDS, mg/L	390	208	248
Temp (Fahrenheit), degrees F	51.7	63.8	67.7
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01

Date Range: 01/01/2023 to 12/30/2024 Well: MW5

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/17/2024	9/30/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
B, diss, mg/L	0.0900	0.1000	0.1400	0.1400	0.0900	0.1200	0.1400	0.1300
Ba, diss, mg/L	0.025	0.031	0.041	0.035	0.021	0.027	0.037	0.035
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	0.5	0.6	10.2	1.6	5.8	0.5	0.5	0.7
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	0.0003	0.0004	0.0003	< 0.0010	0.0004	0.0004	< 0.0010	< 0.0010
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1	<0.1	< 0.1
Fe, diss, mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
GW Depth (TOC), ft	11.17	11.26	12.04	12.84	12.32	11.31	12.62	13.21
GW Elv, ft	443.50	443.41	442.63	441.83	442.35	443.36	442.05	441.46
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	< 0.0010	< 0.0010	0.0028	0.0085	0.0020	< 0.0010	0.0037	< 0.0010
Ni, diss, mg/L	0.0004	0.0005	< 0.0003	0.0009	0.0005	0.0004	0.0009	0.0006
NO3, diss, mg/L	0.994	1.160	2.770	1.620	0.749	0.757	< 0.100	0.239
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	6.76	6.99	6.72	6.64	6.82	7.00	6.77	6.77
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	0.0027	0.0035	0.0032	0.0021	0.0026	0.0031	0.0015	0.0016
SO4, diss, mg/L	18.3	28.0	50.5	43.9	18.9	34.4	20.1	25.2
Spec. Cond. (field), micromho	227	341	523	424	188	382	399	408
TDS, mg/L	236	202	292	370	306	238	262	268
Temp (Fahrenheit), degrees F	53.0	64.6	70.7	65.9	48.4	65.8	69.7	68.7
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Date Range: 01/01/2023 to 12/30/2024 Well: MW12

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/17/2024	9/30/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
B, diss, mg/L	0.1200	0.1300	0.1200	0.1400	0.1200	0.1400	0.1800	0.1400
Ba, diss, mg/L	0.016	0.015	0.017	0.016	0.014	0.015	0.015	0.011
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	4.7	11.9	1.9	13.5	6.6	1.2	1.1	1.0
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	0.0010	< 0.0005	< 0.0005
F, diss, mg/L	<0.1	<0.1	< 0.1	< 0.1	<0.1	<0.1	< 0.1	< 0.1
Fe, diss, mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
GW Depth (TOC), ft	12.93	12.97	13.70	14.52	13.96	15.15	14.50	14.95
GW Elv, ft	443.81	443.77	443.04	442.22	442.78	441.59	442.24	441.79
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	0.0275	0.0321	0.0994	0.2860	0.1110	0.0246	0.4900	0.9490
Ni, diss, mg/L	0.0004	0.0009	< 0.0003	0.0012	0.0007	0.0005	0.0015	0.0022
NO3, diss, mg/L	0.848	0.807	1.400	2.100	1.960	0.816	1.830	2.510
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	6.96	7.03	6.97	6.93	7.04	7.11	6.97	6.90
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	0.0015	0.0022	0.0013	0.0010	0.0017	0.0029	0.0011	< 0.0005
SO4, diss, mg/L	46.8	64.7	37.8	36.6	46.3	57.0	38.9	42.8
Spec. Cond. (field), micromho	566	656	746	661	633	750	715	778
TDS, mg/L	440	372	97	404	510	650	416	468
Temp (Fahrenheit), degrees F	55.0	63.5	67.6	57.1	48.0	63.5	65.6	64.6
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Date Range: 01/01/2023 to 12/30/2024 Well: MW22D

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/27/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	0.0023	0.0026	0.0027	0.0022	0.0032	0.0054	0.0045	0.0041
B, diss, mg/L	5.0100	4.9500	5.2800	4.9900	4.3600	4.5200	4.9200	4.8500
Ba, diss, mg/L	0.021	0.023	0.023	0.022	0.019	0.018	0.018	0.019
Be, diss, mg/L	0.0025	< 0.0100	0.0027	0.0043	0.0041	0.0051	0.0034	0.0043
Cd, diss, mg/L	0.0018	0.0022	0.0023	0.0025	0.0026	0.0035	0.0025	0.0028
Cl, diss, mg/L	10.9	7.5	8.1	8.2	7.5	8.3	8.0	8.3
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	0.078	0.105	0.117	0.140	0.143	0.154	0.097	0.078
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cu, diss, mg/L	0.0032	0.0029	0.0026	0.0037	0.0079	0.0064	0.0067	0.0073
F, diss, mg/L	0.7	0.6	0.6	0.8	0.8	1.1	1.0	0.7
Fe, diss, mg/L	174.000	152.000	160.000	155.000	136.000	189.000	157.000	131.000
GW Depth (TOC), ft	8.64	9.78	10.35	10.35	9.80	9.55	13.84	11.36
GW Elv, ft	442.72	441.58	441.01	441.01	441.56	441.81	437.52	440.00
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	11.7000	12.5000	13.4000	13.4000	13.9000	15.1000	9.5800	8.6200
Ni, diss, mg/L	0.0685	0.0705	0.0764	0.0928	0.0937	0.1140	0.0911	0.0815
NO3, diss, mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Pb, diss, mg/L	0.012	0.009	0.012	0.015	0.013	0.012	0.011	0.015
pH (field), STD	4.85	4.88	4.81	4.87	4.83	4.61	4.87	4.74
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	< 0.0100	< 0.0100	< 0.0100	< 0.0050	< 0.0500	< 0.0250	< 0.0250	< 0.0500
SO4, diss, mg/L	2580.0	2780.0	2090.0	2440.0	1870.0	<0.5	3840.0	1990.0
Spec. Cond. (field), micromho	1900	1850	2290	2270	1890	1950	1960	3
TDS, mg/L	2620	2420	2600	3320	2880	2770	2700	2560
Temp (Fahrenheit), degrees F	64.5	67.2	76.0	66.0	54.3	62.9	63.9	64.4
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	0.29	0.30	0.30	0.35	0.38	< 0.01	0.36	0.33

Date Range: 01/01/2023 to 12/30/2024 Well: MW22S

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/24/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	0.0062	0.0103	0.0126	0.0080	0.0085	0.0131	0.0134	0.0104
B, diss, mg/L	2.0400	2.0600	2.7300	2.7200	1.9400	1.9200	2.5400	2.6600
Ba, diss, mg/L	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.005
Be, diss, mg/L	0.0074	< 0.0100	0.0120	0.0129	0.0146	0.0193	0.0090	0.0090
Cd, diss, mg/L	0.0041	0.0068	0.0077	0.0075	0.0098	0.0143	0.0068	0.0070
Cl, diss, mg/L	5.5	9.6	6.3	7.8	10.9	6.5	9.8	10.8
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	0.127	0.149	0.122	0.113	0.160	0.188	0.107	0.100
Cr, diss, mg/L	0.0006	0.0008	0.0004	0.0004	0.0008	0.0018	0.0005	< 0.0010
Cu, diss, mg/L	0.0117	0.0133	0.0140	0.0148	0.0370	0.0502	0.0567	0.0408
F, diss, mg/L	0.6	0.8	1.0	1.2	0.6	0.4	0.9	1.1
Fe, diss, mg/L	500.000	620.000	415.000	413.000	482.000	634.000	224.000	183.000
GW Depth (TOC), ft	8.12	9.62	10.20	10.25	9.42	9.52	11.20	11.20
GW Elv, ft	443.36	441.86	441.28	441.23	442.06	441.96	440.28	440.28
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0002	< 0.0001
Mn, diss, mg/L	26.5000	29.1000	16.5000	16.0000	25.1000	24.1000	16.0000	12.8000
Ni, diss, mg/L	0.1390	0.1960	0.2020	0.2020	0.2320	0.3240	0.1920	0.1630
NO3, diss, mg/L	< 0.100	< 0.100	< 0.100	< 0.100	0.492	< 0.100	0.454	1.220
Pb, diss, mg/L	0.007	0.007	0.007	0.007	0.007	0.009	0.011	0.008
pH (field), STD	3.47	3.68	3.72	3.81	3.49	3.50	3.01	2.91
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0500	< 0.0005	< 0.0250	< 0.0500
SO4, diss, mg/L	4030.0	2650.0	2740.0	2830.0	2840.0	3420.0	4810.0	2160.0
Spec. Cond. (field), micromho	2670	3010	2990	2700	2530	3390	2730	4
TDS, mg/L	3060	4480	4430	3380	4390	5230	3200	2790
Temp (Fahrenheit), degrees F	58.9	70.5	75.3	69.1	51.5	65.5	65.9	65.1
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0005	< 0.0003
V, diss, mg/L	0.002	0.003	0.003	0.003	0.002	0.003	< 0.001	< 0.001
Zn, diss, mg/L	0.69	0.99	1.06	1.03	1.19	1.49	1.04	0.92

Date Range: 01/01/2023 to 12/30/2024 Well: MW23D

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/27/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	0.0016	0.0014	0.0021	0.0018	0.0018	0.0014	0.0015	0.0018
B, diss, mg/L	0.0500	0.0500	0.0500	0.0500	0.0500	0.0700	0.0700	0.0500
Ba, diss, mg/L	0.048	0.047	0.048	0.047	0.047	0.049	0.045	0.048
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	3.2	3.5	2.8	3.2	3.4	3.7	3.2	3.5
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	<0.1	<0.1	< 0.1	<0.1	<0.1	<0.1	< 0.1	<0.1
Fe, diss, mg/L	< 0.010	0.080	0.298	0.080	0.184	< 0.010	< 0.010	0.073
GW Depth (TOC), ft	4.89	6.32	7.42	8.22	5.65	6.64	9.06	8.79
GW Elv, ft	451.01	449.58	448.48	447.68	450.25	449.26	446.84	447.11
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	0.0763	0.1530	0.1280	0.1310	0.0761	0.1420	0.1290	0.1360
Ni, diss, mg/L	0.0004	0.0011	< 0.0003	0.0006	< 0.0003	< 0.0003	0.0004	< 0.0003
NO3, diss, mg/L	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100	< 0.100
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	8.40	7.24	7.24	7.26	7.17	7.27	7.32	7.42
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
SO4, diss, mg/L	19.8	21.5	18.1	20.3	20.0	22.8	20.2	22.8
Spec. Cond. (field), micromho	334	413	473	440	412	338	360	464
TDS, mg/L	256	192	228	288	240	290	270	282
Temp (Fahrenheit), degrees F	57.5	64.1	71.6	64.1	56.8	62.3	64.5	60.3
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Date Range: 01/01/2023 to 12/30/2024 Well: MW23S

	2/20/2023	6/5/2023	8/28/2023	10/23/2023	3/18/2024	6/27/2024	9/23/2024	11/11/2024
Ag, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
As, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
B, diss, mg/L	0.1300	0.1400	0.1700	0.1800	0.1300	0.1700	0.1900	0.1600
Ba, diss, mg/L	0.035	0.036	0.039	0.038	0.035	0.041	0.038	0.039
Be, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cd, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Cl, diss, mg/L	1.1	8.0	1.2	1.8	1.1	2.2	2.4	2.1
CN, total, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Co, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Cr, diss, mg/L	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
Cu, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
F, diss, mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	< 0.1	< 0.1	< 0.1
Fe, diss, mg/L	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010	< 0.010
GW Depth (TOC), ft	4.65	6.35	7.37	8.24	5.51	6.60	9.13	8.82
GW Elv, ft	451.38	449.68	448.66	447.79	450.52	449.43	446.90	447.21
Hg, diss, mg/L	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001
Mn, diss, mg/L	< 0.0010	0.0133	0.0244	0.0361	< 0.0010	0.0100	0.0136	0.0087
Ni, diss, mg/L	0.0004	0.0009	< 0.0003	0.0005	0.0005	< 0.0003	0.0020	0.0005
NO3, diss, mg/L	< 0.100	< 0.100	< 0.100	< 0.100	0.248	0.650	0.712	0.457
Pb, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
pH (field), STD	6.82	7.00	6.96	6.95	7.08	7.08	7.11	7.05
Sb, diss, mg/L	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Se, diss, mg/L	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005	< 0.0005
SO4, diss, mg/L	9.2	9.1	7.5	8.7	8.0	9.0	8.2	8.3
Spec. Cond. (field), micromho	250	312	349	368	312	310	360	414
TDS, mg/L	236	164	190	226	290	194	262	252
Temp (Fahrenheit), degrees F	56.4	62.3	74.3	67.3	57.6	63.5	64.5	61.2
Tl, diss, mg/L	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
V, diss, mg/L	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Zn, diss, mg/L	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

APPENDIX B SITE INSPECTION REPORTS

Hutsonville Power Station Ash Pond A Closure Cap - Post-Closure Care Plan

Quarterly Site Inspection Checksheet

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Date	03/19/2024
Inspector	AMM
Temperature	50 °F
Weather	Clear, Windy

	ltem	Condition Code *	Comments	
Pond Cap	Vent Pipes	GC	Vent holes clear of pipes inspected, no weed overgrowth inside cement vent barriers.	
	Drainage Berms	GC	No excessive standing water; no eroded or scoured drainage channels.	
	Vegetation	GC	Inspection occurred after second mowing and herbicide application which was complete in early September 2023.	
	Erosion on Cap	GC	No erosion or gullies 6 inches or deeper on cap.	
	Liner	GC	No exposed liner; no visual indication of rips, tears, punctures, or other damage to liner.	
	Water Control Features (berms, vegetated flumes, etc.)	GC	Water control features in good condition.	
	Other			
	Vegetation	GC	No overgrowth or bare patches on embankments.	
	Liner	GC	No exposure	
nent	Erosion	GC	No erosion or gullies 6 inches or deeper on embankments or toe.	
Embankment	Fencing	ММ	Main gate destroyed by unknown driver. Repairs scheduled through Dasenbrock Fen Company, Inc. Contacted Crawford County Hwy Dept. to install a "Sharp turn ahead" sign on the road before station.	
ш	Drainage Channels (rip-rap, paved flumes, etc.)	GC	No overgrowth; Exposed fabric and dirt at North and Southwest Letdowns was repaired by Blankenship in September 2023.	
	Other	GC	Animals borrows in east embankment were repaired during June 2023 mowing event. Small burrows were identified on the embankmnet but were not large enough to warrant concern at this time.	
	Control Panels	GC	Exterior of panels in good condition.	
5 0	Drainage Sumps / Manholes	GC	Lids are secure.	
ollection charge	Pumps	GC	Operational; Pump repairs completed by Freitag-Weihnardt in September 2023.	
Groundwater Collec Trench and Discha System	Groundwater Monitoring Wells	GC	Accessible; no excessive weed growth; no flooding.	
oundw rench a	Flow Meter Totalizer	GC	Operational.	
Э.т	Diver-Mate Data Collector (data download)	ММ	Unable to connect to the data download. Data will be downloaded manually until the issues with the data collecter can be investigated and repaired.	
	Other			
Condition Codes				
IM = Item needing Immediate Maintenance. Remediation should be completed within 1 month. MM = Item needing Minor Maintenance and/or repairs within the year.				
OB = Condition requires regular observation to ensure that the condition does not become worse.				
GC = Good	Condition. Working properly.			
NE = No Evidence of a problem.				

NI = Not Inspected. Reason should be stated in comment

Hutsonville Power Station – Ash Pond A



North letdown (facing SW)

North embankment (facing SW)

West embankment (facing S)



East embankment (facing S)



Southwest letdown (facing NE)

South embankment (facing E)



East Embankment (facing N)







Facing South

Facing East



Hutsonville Power Station Ash Pond A Closure Cap - Post-Closure Care Plan

Quarterly Site Inspection Checksheet

Page	1	of	4
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Date	06/04/2024
Inspector	AMM
Temperature	75 °F
Weather	Sunny

	ltem	Condition Code *	Comments	
Pond Cap	Vent Pipes	GC	Vent holes clear of pipes inspected, no weed overgrowth inside cement vent barriers.	
	Drainage Berms	GC	No excessive standing water; no eroded or scoured drainage channels.	
	Vegetation	GC	Inspection occurred after first mowing and herbicide application which was completed in mid-May 2024.	
	Erosion on Cap	GC	No erosion or gullies 6 inches or deeper on cap.	
ă.	Liner	GC	No exposed liner; no visual indication of rips, tears, punctures, or other damage to liner.	
	Water Control Features (berms, vegetated flumes, etc.)	GC	Water control features in good condition.	
	Other			
Embankment	Vegetation	GC	No overgrowth or bare patches on embankments.	
	Liner	GC	No exposure	
	Erosion	GC	No erosion or gullies 6 inches or deeper on embankments or toe.	
	Fencing	мм	Main gate destroyed by unknown driver. Repairs scheduled through Dasenbrock Fence Company, Inc. Contacted Crawford County Hwy Dept. to install a "Sharp turn ahead" sign on the road before station.	
ū	Drainage Channels (rip-rap, paved flumes, etc.)	GC	No overgrowth; Exposed fabric and dirt at North and Southwest Letdowns was repaired by Blankenship in September 2023.	
	Other	GC	No burrows observed.	
	Control Panels	GC	Exterior of panels in good condition.	
- 0	Drainage Sumps / Manholes	GC	Lids are secure.	
ollection scharge	Pumps	GC	Leaks were observed in pipes in sump pits #1 and #2. Freitag-Weihnardt tightened pipe fittings on June 20, 2024.	
Groundwater Collec Trench and Discha System	Groundwater Monitoring Wells	GC	Accessible; no excessive weed growth; no flooding.	
oundw rench a	Flow Meter Totalizer	GC	Operational.	
Ϋ́Ε	Pump Station Data Collector (data download)	мм	Unable to connect to the data download. Data will be downloaded manually until the issues with the data collecter can be investigated and repaired.	
	Other			
Condition Codes				
IM = Item needing Immediate Maintenance. Remediation should be completed within 1 month. MM = Item needing Minor Maintenance and/or repairs within the year.				
OB = Condition requires regular observation to ensure that the condition does not become worse.				
GC = Good Condition. Working properly.				
NE = No Evidence of a problem.				

 NE = No Evidence of a problem.

 NI = Not Inspected. Reason should be stated in comment

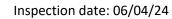
Hutsonville Power Station – Ash Pond A

North letdown (facing SW)

North embankment (facing SW)

West embankment (facing S)







East embankment (facing S)

Southwest letdown (facing NE)





Сар Тор



Facing South

Facing East



Hutsonville Power Station Ash Pond A Closure Cap - Post-Closure Care Plan

Quarterly Site Inspection Checksheet

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Date	09/10/2024
Inspector	AMM
Temperature	75 °F
Weather	Sunny

	ltem	Condition Code *	Comments	
Pond Cap	Vent Pipes	GC	Vent holes clear of pipes inspected, no weed overgrowth inside cement vent barriers.	
	Drainage Berms	GC	No excessive standing water; no eroded or scoured drainage channels.	
	Vegetation	GC	Inspection occurred after second mowing in July 2024.	
	Erosion on Cap	GC	No erosion or gullies 6 inches or deeper on cap.	
Å	Liner	GC	No exposed liner; no visual indication of rips, tears, punctures, or other damage to liner.	
	Water Control Features (berms, vegetated flumes, etc.)	GC	Water control features in good condition.	
	Other	GC	Very small animal burrows (likely snake holes) were observed on the top of the cap. Will monitor for issues.	
	Vegetation	GC	No overgrowth or bare patches on embankments.	
	Liner	GC	No exposure	
nent	Erosion	GC	No erosion or gullies 6 inches or deeper on embankments or toe.	
Embankment	Fencing	ММ	Main gate destroyed by unknown driver. Repairs scheduled through Dasenbrock Fe Company, Inc.	
Ш	Drainage Channels (rip-rap, paved flumes, etc.)	GC	No overgrowth; Exposed fabric and dirt at North and Southwest Letdowns was repair by Blankenship in September 2023.	
	Other	GC	No burrows observed.	
	Control Panels	GC	Exterior of panels in good condition.	
5 .	Drainage Sumps / Manholes	GC	Lids are secure.	
ollection scharge n	Pumps	ММ	A leak was observed in the piping of sump pit #1. The pump in sump pit #2 did not turn on when the switch was flipped to the "Hand" position. Frietag-Weinhardt Inc. has been contacted to make repairs.	
/ater Co and Dis System	Groundwater Monitoring Wells	GC	Accessible; no excessive weed growth; no flooding.	
Groundwater Collec Trench and Discha System	Flow Meter Totalizer	GC	Operational.	
u⊡ ⊢	Pump Station Data Collector (data download)	GC	Operational.	
	Other			
Condition Codes				
IM = Item needing Immediate Maintenance. Remediation should be completed within 1 month.				
MM = Item needing Minor Maintenance and/or repairs within the year. OB = Condition requires regular observation to ensure that the condition does not become worse.				
GC = Good	Condition. Working properly.			
NE = No Evidence of a problem.				
NI = Not Inspected. Reason should be stated in comment				

Hutsonville Power Station – Ash Pond A



North letdown (facing SW)

West embankment (facing S)

North embankment (facing SW)



East embankment (facing S)

Southwest letdown (facing NE)

South embankment (facing E)



Сар Тор



Facing South

Facing East



Small Animal Burrow Observed on Cap Top



Hutsonville Power Station Ash Pond A Closure Cap - Post-Closure Care Plan

Quarterly Site Inspection Checksheet

Date	11/08/2024
Inspector	AMM
Temperature	60 °F
Weather	Sunny

	Item	Condition Code *	Comments	
	Vant Dinaa			
Pond Cap	Vent Pipes	GC	Vent holes clear of pipes inspected, no weed overgrowth inside cement vent barriers.	
	Drainage Berms	GC	No excessive standing water; no eroded or scoured drainage channels.	
	Vegetation	GC	Inspection occurred after third mowing in October 2024.	
	Erosion on Cap	GC	A set of ruts that appear to be from equipment tires were observed on the eastern side of the cap. No liner is exposed. Ruts will continue to be monitored.	
ď	Liner	GC	No exposed liner; no visual indication of rips, tears, punctures, or other damage to liner.	
	Water Control Features (berms, vegetated flumes, etc.)	GC	Water control features in good condition.	
	Other	GC	Very small animal burrows (likely snake holes) were observed on the top of the cap. Will monitor for issues.	
	Vegetation	GC	No overgrowth or bare patches on embankments.	
	Liner	GC	No exposure	
nent	Erosion	GC	No erosion or gullies 6 inches or deeper on embankments or toe.	
Embankment	Fencing	ММ	Main gate destroyed by unknown driver. Repairs scheduled through Dasenbrock Fence Company, Inc.	
Ш	Drainage Channels (rip-rap, paved flumes, etc.)	GC	No overgrowth. Channels in good condition.	
	Other	GC	No burrows observed.	
	Control Panels	GC	Exterior of panels in good condition.	
	Drainage Sumps / Manholes	GC	Lids are secure.	
Groundwater Collection Trench and Discharge System	Pumps	ММ	Frietag-Weinhardt Inc. mobilized to the site in October to repair the issues identified during the 3Q24 insepction (leak in sump pit #1 and sump pit #2 not turning on). Due to a 6 - 8 week lead time on replacement pumps, Ameren directed Frietag-Weinhardt Inc. to move the funcional pump in sump pit #1 to sump pit #2. At the time of the Q4 inspection, there was no pump in sump pit #1. Leaking was observed in sump pit #2 when the pump was switched on. Frietag-Weinhardt Inc. has been contacted to make additional repairs.	
undwat nch an Sy	Groundwater Monitoring Wells	GC	Accessible; no excessive weed growth; no flooding.	
Grou Tre	Flow Meter Totalizer	GC	Operational.	
	Pump Station Data Collector (data download)	GC	A computing error was identified with the totalizer readings for DS-2. Yokogawa assisted with troubleshooting the issue, and all readings are now computing correctly.	
	Other			
Condition Codes				
IM = Item needing Immediate Maintenance. Remediation should be completed within 1 month. MM = Item needing Minor Maintenance and/or repairs within the year.				
OB = Condition requires regular observation to ensure that the condition does not become worse.				
	Condition. Working properly.			
N = No Evidence of a problem. N = Not Inspected. Reason should be stated in comment				

Hutsonville Power Station – Ash Pond A

North letdown (facing SW)





North embankment (facing SW)

West embankment (facing S)



Southwest letdown (facing NE)



Сар Тор



Facing South

Facing East



Small Animal Burrow Observed on Cap Top



Ruts Observed on Cap Top

Ruts Observed on Cap Top



APPENDIX C STATISTICAL OUTPUT APPENDIX C1 TEST DESCRIPTIONS



MANAGES

Groundwater Data Management and Evaluation Software

Software Manual Product ID #1012581

Software Manual, February 2010

EPRI Project Manager K. Ladwig

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10 STATISTICAL ANALYSIS

Stand-Alone Statistical Tests

Statistical Evaluation Report

The Statistical Evaluation Report is comprised of a series of subreports as described below.

User Selections:

- One location.
- Sample date range for data selection.
- Interval length: the length of the averaging period in months (1,2,3,4, or 6).
- One parameter.
- Non-detect processing: multiplier between 0 and 1.
- One-sided confidence $(1-\alpha)$ level -0.90, 0.95 or 0.99.
- Limit type: used in the statistical overview to determine exceedances.

Mann-Kendall Trend and Seasonal Analysis Tests

The Mann-Kendall test for trend is insensitive to the presence or absence of seasonality. The test is non-parametric and does not assume any type of data distribution. Nonetheless, two forms of the test are provided in MANAGES, one ignoring data seasonality even if it is present, and one considering data seasonality. In the test, the null hypothesis, H_0 , is that the Sen trend is zero, and the alternate hypothesis, H_a , is that the trend is non-zero.

In general, the Mann-Kendall test considering seasonality indicates a larger range for allowable Sen estimate of trend when seasonality is actually present than the range indicated by the test performed ignoring seasonality.

In the Mann-Kendall Trend Analysis, available in under the Statistical Evaluation Report and in the Statistical Procedure for Detection Monitoring, and Mann-Kendall Seasonal Analysis, found under the Statistical Evaluation Report, MANAGES first calculates the Sen slope and the upper and lower confidence limits of the Sen slope, and then determines whether the Sen slope is statistically significant. Slope is statistically significant if it is non-zero.

Mann-Kendall Test for Sen Slope Significance – a two-sided, non-parametric method for data sets as small as 10, unless there are many tied (e.g., equal, NDs are treated as tieds) values (Gilbert, 1987; p. 208)

Indicator Function	$= 1$ if $(x_{ij} - x_{jk}) > 0$
$\operatorname{sgn}(x_{ij}-x_{jk})$	$= 0$ if $(x_{ij} - x_{jk}) = 0$
	$= -1$ if $(x_{ij} - x_{jk}) < 0$
	where $x_{i1}, x_{i2},, x_{in}$ are the time ordered data (n _i is total of data in the i-th season).
Mann-Kendall Statistic, S_i	$=\sum_{k=1}^{ni-1}\sum_{j=k+1}^{ni} \operatorname{sgn}(x_{ij} - x_{jk})$
Variance of S_i VAR (S_i)	$VAR(S_i) =$
	$\frac{1}{18} \left\{ n_i (n_i - 1)(2n_i + 5) - \sum_{p=1}^{g_i} t_{ip} (t_{ip} - 1)(2t_{ip} + 5) - \sum_{q=1}^{h_i} u_{iq} (u_{iq} - 1)(2u_{iq} + 5) \right\}$
	$ + \underbrace{\sum_{p=1}^{g_i} t_{ip}(t_{ip} - 1)(t_{ip} - 2) \sum_{q=1}^{h_i} u_{iq}(u_{iq} - 1)(u_{iq} - 2)}_{9n_i(n_i - 1)(n_i - 2)} $
	$+ \underbrace{\sum_{p=1}^{g_i} t_{ip}(t_{ip}-1) \sum_{q=1}^{h_i} u_{iq}(u_{iq}-1)}_{2n_i(n_i-1)}.$
	The variable g_i is the number of tied groups (equal-valued) data in the
	i-th season, t_{ip} is the number of tied data in the p-th group for the i-th
	season, h_i is the number of sampling times (or time periods) in the i-th season that contain multiple data, u_{iq} is the number of multiple data in
	the q-th time period in the i-th season, and n_i is the number of data values in the i-th season.

Test Statistic,	If $S' = \sum_{i=1}^{K} S_i$, where K is the number of seasons, then the test statistic				
Z	\overline{Z} is computed as:				
	$\begin{bmatrix} \mathbf{S'} - 1 \\ \left[\mathbf{VAR}(\mathbf{S'}) \right]^{1/2} & \text{iff } \mathbf{S'} > 0 \end{bmatrix}$				
	$Z = \begin{cases} 0 & \text{iff } S' = 0 \\ \hline VAR(S') \end{bmatrix}^{1/2} & \text{iff } S' < 0 \end{cases}$				
	$\frac{S'+1}{[VAR(S')]^{1/2}}$ iff S'<0				
	Where "iff" is an acroym meaning: if-and-only-if. A positive Z value means an upward trend and a negative Z value means a negative trend.				
Hypothesis Test:	Accept the null hypothesis H_0 of no trend				
$H_0 = $ no trend	if $Z \leq Z_{1-\alpha/2}$				
H_a = trend present	Reject the null hypothesis H_0				
This is a two-sided test at the α significance level.	if $Z > Z_{1-\alpha/2}$				
	where $Z_{1-\alpha/2}$ is obtained from Table A1 in Gilbert (1987; p. 254).				

Kruskal-Wallis Analysis (Test for Seasonality)

To perform the Kruskal-Wallis test for data seasonality, data points are first segmented according to season (Gilbert, 1987). The null hypothesis, H_0 , is that all seasons have the same mean value. The alternative hypothesis, H_a , is that at least one season has a mean larger or smaller than the mean of at least one other season. Montgomery et al. (1987) provide additional information on groundwater data seasonality. This is a two-sided, non-parametric test.

In MANAGES, the Kruskal-Wallis Test for Seasonality is found under Data Review // Non-Parametric Methods // Kruskal-Wallis Analysis. It determines whether the seasonal means for the specified parameter at the specified location are statistically the same.

or $Z_i \ge SCL$.

Outlier Tests

Outlier tests are useful in detecting inconsistencies of measurement within a data set. An outlier is defined as an observation that appears to deviate markedly from other values of a sample set. There are many possible reasons for the presence of an outlier, including 1) the presence of a true but extreme value from a single population, resulting from random variability inherent in the data; 2) an improper identification of the underlying distribution describing the population from which the sample set comes from; 3) the occurrence of some unknown event(s) such as a spill, creating a mixture of two or more populations; 4) a gross deviation from prescribed sampling procedures or laboratory analysis; 5) a transcription error in the data value or data unit of measurement.

USEPA (1989; p. 8-11) states that the purpose of a test for outliers is to determine whether or not there is statistical evidence that an observation that appears extreme does not fit the distribution of the rest of the data. If an observation is identified as an outlier, then steps need to be taken to determine whether it is the result of an error or a valid extreme observation. If a true error, such as in transcription, dilution, or analytical procedure, can be identified, then the suspect value should be replaced with its corrected value. If the source of the error can be determined but no correction is possible, then the observation is deleted and the reason for deletion is reported along with any statistical analysis. If no source of error can be documented, then it must be assumed that the observation is a true but extreme value of the data set. If this is the case, the outlier observation(s) must not be altered or excluded from any statistical analysis. Identification of an observation as an outlier but with no error documented could be used to suggest resampling to confirm the value (USEPA, 1989; p. 8-13).

The outlier tests provided in MANAGES are based on either the single outlier test of Grubbs (1969), which is used by USEPA (1989; pp. 8-10 to 8-13) or the single outlier test of Dixon (1951, 1953), which is used by USEPA (2000; pp. 4-24) and by ASTM (1998). The outlier tests assume the data come from a normal distribution. Only one outlier, either an extreme low or an extreme high, can be detected during a single analysis of a data set. Additional outliers can be detected by temporarily removing a previously detected outlier from a data set and then repeating the test on the remaining, reduced, data set. During each pass of the outlier test, the sample mean, standard deviation, and sample size used in the test statistics are computed using only the data remaining in the set. The process can be continued until there is either an insufficient amount of data remaining (a minimum of 3 values) or when no additional outliers are found. When using MANAGES, the user will be asked how many outliers are to be checked and it will then automatically perform all of the recursive calls and data reductions with the Grubbs or Dixon routine. When done, a report can be generated that will show each outlier marked with a flag indicating the sequential order in which the outliers were identified.

Critical values used in the one-sided Grubbs test are taken directly from those in Grubbs and Beck (1972) for sample sizes smaller than 147 observations. Critical values for sample sizes larger than 147 were generated numerically using a Monte Carlo routine, where each sampling event was simulated 100,000 times. Sample sizes ranging from 148 to 5,000 where used and then their resultant test statistic T_n curve fitted at specific significance levels. By this method, it was possible to match Grubbs results to at least four significant digits for corresponding tabulated values.

Critical values used in the one-sided Dixon outlier test are taken directly from tables given in Dixon (1951), Dixon (1953; page 89), and USEPA (2000; p. A-5, Table A-3). The critical values were then curve fitted for every sample size between 3 and 25 as a function of the significance level. By this method, it was possible to match Dixon's results to at least four significant digits for corresponding tabulated values. Note that the Dixon test assumes the data are either normally or lognormally distributed. Hence, sample sizes can only range between 3 and 25, inclusive. Dixon never developed an outlier test for sample sizes larger than 25.

User Selections:

- One or up to 100 locations: a separate test is performed for each location.
- One or up to 100 parameters: a separate test is performed for each parameter.
- Evaluation date range.
- Confidence $(1-\alpha)$ level: 0.90, 0.95 or 0.99.
- Non-detect processing: multiplier between 0 and 1.
- Data transformation option: none and log (base e).
- Number of outliers: one, two, first 5%, first 10%. Selecting any option other than one causes MANAGES to rerun the test, with outliers from prior tests removed, until either no outliers are detected or the specified number of outliers are detected.

Technical Details

Grubbs Outlier Test – The Grubbs outlier test determines whether there is statistical evidence that an observation does not fit the remaining data (USEPA, 1989; p. 8-11). This significance test looks at either the highest or the lowest observation in normal samples.

The number of observations taken during a	n
specified scoping period; n	

Mean of the observed data during the scoping period; \overline{X}	$\overline{X} = \prod_{n=1}^{n} \sum_{i=1}^{n} X_{i}$	
	where X_i is the i-th observation.	
Standard deviation of observed data; S_x .	$S_{x} = \prod_{i=1}^{n} \sum_{i=1}^{n} (X_{i} - \overline{X})^{2}$	
Test statistics: $T_l \& T_n$	Sort the data into ascending order, then compute the statistics	
	$T_{l} = (\overline{X} - X_{l}) S_{x}$ $T_{n} = (X_{n} - \overline{X}) S_{x}$	
	where X_i is the smallest value of the n observations and X_n is the largest value of the n observations.	
One-sided test with a $(1-\alpha)$ confidence level that there is a single extreme outlier within the n observations.	Grubbs single, one-sided test of either an extreme low outlier :	
within the noosel valions.	X_l is an outlier if $T_l \ge T_{cr(1-\alpha,n)}$	
	or an extreme high outlier:	
	X_n is an outlier if $T_n \ge T_{cr(1-\alpha,n)}$.	
	The function $T_{cr(1-\alpha,n)}$ is the critical value,	
	given in Grubbs and Beck (1972; Table 1) and USEPA (1989; p. B-11, Table 8). Note that the critical value assumes that the mean and standard deviation are computed from the sample being tested.	

Dixon Outlier Test – The Dixon outlier test determines whether there is statistical evidence that an extreme observation does not fit the remaining data (USEPA, 2000; p. 4-24 and ASTM D6312, 1998). This significance test looks at both the highest and the

lowest observations in a sample data set. However, the routine will only perform the
outlier tests if several conditions are first satisfied. For example, the Dixon outlier
algorithm checks the distribution of the sample data for both normality and lognormality
using the Shapiro-Wilk W-test. The outlier routine will not proceed with a data set if the
W-test fails. In addition, the Dixon outlier test is limited to a minimum of 3 and a
maximum sample size n of 25 data values.
-

The number of observations taken during a specified scoping period; n	Number of observations, n , where		
	$3 \le n \le 25 .$		
Sorting the sample data	Sort the data into ascending order, with the minimum data value $X_{(1)}$ first and the maximum data value $X_{(n)}$ last. Use the natural log of the data values if data are lognormally distributed, i.e., $X_{(j)} = \text{Ln}[X_{(j)}]$.		
Goodness-of fit tests	After temporarily excluding either the minimum or maximum value of the data set, the Shapiro-Wilk's W-test is used to determine if the remaining $n-1$ values are normally or lognormally distributed. If not, the Dixon outlier test can't be used.		
Test statistic, T _s , for the minimum data value	Compute the T _s test statistic for X ₍₁₎ as an outlier: $T_{s} = \frac{X_{(2)} - X_{(1)}}{X_{(n)} - X_{(1)}} for 3 \le n \le 7$ $T_{s} = \frac{X_{(2)} - X_{(1)}}{X_{(n-1)} - X_{(1)}} for 8 \le n \le 10$ $T_{s} = \frac{X_{(3)} - X_{(1)}}{X_{(n-1)} - X_{(1)}} for 11 \le n \le 13$ $T_{s} = \frac{X_{(3)} - X_{(1)}}{X_{(n-2)} - X_{(1)}} for 14 \le n \le 25.$		
Test statistic, T _s , for the maximum data value	Compute the T_s test statistic for $X_{(n)}$ as an outlier:		

	$T_{s} = \frac{X_{(n)} - X_{(n-1)}}{X_{(n)} - X_{(1)}} for 3 \le n \le 7$ $T_{s} = \frac{X_{(n)} - X_{(n-1)}}{X_{(n)} - X_{(2)}} for 8 \le n \le 10$ $T_{s} = \frac{X_{(n)} - X_{(n-2)}}{X_{(n)} - X_{(2)}} for 11 \le n \le 13$ $T_{s} = \frac{X_{(n)} - X_{(n-2)}}{X_{(n)} - X_{(3)}} for 14 \le n \le 25.$
Critical value T _c	USEPA (2000; p. A-5, Table A-3) lists the critical values of the Dixon test as a function of sample size for a one-sided extreme value test at the significance levels α of 0.1, 0.05, and 0.01.
One-sided test with a $(1-\alpha)$ confidence level that there is a single extreme outlier within the n observations.	Dixon's single, one-sided test for statistical evidence of either an extreme low-valued outlier: $X_{(1)}$ is an outlier if $T_s \ge T_c$ or an extreme high-valued outlier: $X_{(n)}$ is an outlier if $T_s \ge T_c$. The function T_c is the critical value, given in Dixon (1953; page 89) and USEPA (2000; p. A-5, Table A-3). Note that the critical value assumes that the data are either normally or lognormally distributed.

Other Statistical Calculations Used in MANAGES

Sen Estimate of Slope

The Sen estimate of slope is the median of all slopes between all possible unique pairs of individual data points in the time period being analyzed (Gilbert, 1987). The slopes represent the rate of change of the measured parameter, with the y-axis being the parameter value and the x-axis being calendar days. Sen's estimate of slope is a non-parametric estimator of trend. The method is robust, and fairly insensitive to the presence of a small fraction of outliers and non-detect data values. In contrast, linear regression and other least squares estimators of slope are significantly more sensitive, and more likely to give erroneous slope indications, even when only a few outlier values are present.

When data averaging is not activated, the Sen slope is calculated using individual data points and actual sampling dates. When data averaging is activated, multiple data points within each specified season period are reduced to one data point by arithmetic averaging over each of the season periods. These averaged values are then assigned to the day that corresponds to the middle of that season's period.

The approximate lower and upper confidence limits for the Sen slope can also be calculated using normal theory (Gilbert, 1987). It should be noted that confidence limits for the Sen slope are not necessarily symmetrical about the estimated slope since ranked values of slope are used in the calculation.

MANAGES calculates Sen slope in the Sen Slope Overlay Graph, Statistical Summary reports and in the two Mann-Kendall tests performed under the Statistical Evaluation Report.

Sen's Estimate of Slope – two-sided, non-parametric method that calculates the trend of a single data series. It is less sensitive to outliers and non-detect values than linear regression (Gilbert, 1987; p. 217).				
Slope, Q	$= \frac{X_{i} - X_{i}}{i - 1}$ where $X_{i'}$ and x_{i} are data values at times i' and i , respectively, and where $i' > i$. Typically, i' and i are expressed in units of either days for trend analysis or years for seasonal analysis.			
N′	Number of unique data point pairs that can be made for the observations in the data set, for $i' > i$. For n monitoring events, N' is given as: N' = n(n-1)/2			

Sen's Slope Estimate	Sen's slope estimator = median slope
	$= Q_{[(N'+1)/2]} \text{ if } N' \text{ is odd}$ $= \frac{1}{2} (Q_{[N'/2]} + Q_{[(N'+2)/2]}) \text{ if } N' \text{ is even}$ where the Q values have first been ranked from
	smallest to largest.
$Z_{1-\alpha/2}$	Statistic for the cumulative normal distribution (Gilbert, 1987; p. 254) for the two-sided, α significance level.
Variance estimate of the Mann-Kendall S Statistic, VAR(S)	VAR(S) = $\frac{1}{18} [n(n-1)(2n+5) - \sum_{p=1}^{g} t_p(t_p-1)(2t_p+5)]$
	where g is the number of tied groups, t_p is the number of data in the pth group, and n is the number of data values.
C_{α}	$= Z_{1-\alpha/2} VAR(S)$
Sen's Slope , a two-sided test at the α significance level	$M_{1} = \frac{(N'-C_{\alpha})}{2}$ $M_{2} = \frac{(N'+C_{\alpha})}{2}$
	Lower limit of confidence interval is the M_1 -th largest slope, and upper limit of confidence interval is the (M_2+1) -th largest of the N' ordered slope estimates.

Coefficient of Skewness for Normality

The coefficient of skewness is another measure for data normality (Gilbert, 1987). MANAGES provides the value of the coefficient of skewness in the Statistical Evaluation Report, Statistical Overview. Additional information on data normality is given by Montgomery, et al. (1987).

APPENDIX C2 OUTLIER TEST

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Antimony, dissolved, m	g/L			
Location: MW12				
Mean of all data: 0.00176 Standard Deviation of all Largest Observation Con Test Statistic, high extrer T Critical of all data: Ter	l data: 0.00156 icentration of all data: 2 ne of all data: Tn = 5.2			
			Outlier	Outlier
Sample Date 09/18/2017	<u>Value</u> <0.0100	<u>LT_Value</u> True	Low Side	<u>High Side</u> 1
Antimony, dissolved, m Location: MW22D	g/L			
Mean of all data: 0.00200 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	l data: 0.0 accentration of all data: 1 ne of all data: $Tn = 0.0$			
			Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Antimony, dissolved, my Location: MW22S	g/L			
Mean of all data: 0.00200 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000359 acentration of all data: 1 ne of all data: Tn = 5.3			
Sample Date 11/01/2021	<u>Value</u> <0.00400	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Antimony, dissolved, mg/L Location: MW23D				
Mean of all data: 0.00200 Standard Deviation of all data: 0.1 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 0.0	on of all data:			
			Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	LT_Value_	<u>Low Side</u>	<u>High Side</u>
Antimony, dissolved, mg/L Location: MW23S				
Mean of all data: 0.00200 Standard Deviation of all data: 0.4 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 0.0	on of all data:			
		Y	Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	LT_Value_	<u>Low Side</u>	<u>High Side</u>
Antimony, dissolved, mg/L Location: MW2D				
Mean of all data: 0.00200 Standard Deviation of all data: 0.1 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 0.0	on of all data:			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Antimony, dissolved, mg/L Location: MW2R				
Mean of all data: 0.00213 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: $T = 5.8$			
Sample Date 04/21/2014	<u>Value</u> 0.0180	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Antimony, dissolved, mg/L Location: MW3 Mean of all data: 0.00186 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2 <u>Sample Date</u> 04/21/2014	tration of all data: $\frac{1}{2}$ of all data: Tn = 3.1		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Antimony, dissolved, mg/L Location: MW3D Mean of all data: 0.00155 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: $T = 0.5$		Outlier	Outlier
Sample Date No Outliers	Value	LT_Value	Low Side	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 t Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Antimony, dissolved, mg	/L			
Location: MW4 Mean of all data: 0.00159 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter =	data: 0.00104 centration of all data: 1 the of all data: Tn = 3.2			
Sample Date 04/21/2014	<u>Value</u> 0.00500	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Antimony, dissolved, mg Location: MW5	/L			
Mean of all data: 0.00152 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter =	data: 0.000902 centration of all data: T the of all data: Tn = 1.6			
Sample Date No Outliers	Value	<u>LT_Value</u>	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Arsenic, dissolved, mg/L Location: MW12				
Mean of all data: 0.00020 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter =	data: 0.000122 centration of all data: The of all data: The state of all data: The state stat			
Sample Date 03/13/2017	<u>Value</u> 0.000600	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11, Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Arsenic, dissolved, mg/L				
Location: MW22D				
Mean of all data: 0.00223 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: Σ all data: Tn = 2.7			
	37.1	177 371	Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Arsenic, dissolved, mg/L Location: MW22S				
Mean of all data: 0.00744 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: Σ all data: Tn = 2.3			
Somula Data	Value	IT Value	Outlier Low Side	Outlier High Side
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Arsenic, dissolved, mg/L Location: MW23D				
Mean of all data: 0.00259 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: 2 all data: Tn = 4.4			
Sample Date 06/20/2022	<u>Value</u> 0.00980	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Arsenic, dissolved, mg/l	L			
Location: MW23S Mean of all data: 0.0005 Standard Deviation of al Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	l data: 0.00166 acentration of all data: 2 me of all data: Tn = 5.2			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.00920	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Arsenic, dissolved, mg/l Location: MW2D Mean of all data: 0.0069 Standard Deviation of al Largest Observation Con Test Statistic, high extren T Critical of all data: Ter	3 l data: 0.00253 ncentration of all data: 1 ne of all data: Tn = 2.7			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Arsenic, dissolved, mg/l Location: MW2R Mean of all data: 0.0003 Standard Deviation of al Largest Observation Corr Test Statistic, high extrem T Critical of all data: Ter	32 l data: 0.000627 icentration of all data: 2 ne of all data: Tn = 5.8			
Sample Date 07/21/2014	<u>Value</u> 0.00400	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Arsenic, dissolved, mg/L Location: MW3				
Mean of all data: 0.000214 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000257 entration of all data: 1 e of all data: Tn = 3.0			
Sample Date 04/21/2014	<u>Value</u> 0.00100	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Arsenic, dissolved, mg/L Location: MW3D				
Mean of all data: 0.00142 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	entration of all data: T e of all data: Tn = 4.7			
<u>Sample Date</u> 11/01/2021	<u>Value</u> 0.0112	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Arsenic, dissolved, mg/L Location: MW4				
Mean of all data: 0.000269 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000477 entration of all data: 2 e of all data: Tn = 5.7			
Sample Date 07/21/2014	<u>Value</u> 0.00300	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Arsenic, dissolved, mg/L Location: MW5 Mean of all data: 0.000232 Sandard Deviation of all data: 0.00207 Target Observation Oceanertation of all data: $N = 0.00200$ Test Statistic, high extreme of all data: $Tn = 5.95$ T Critical of all data: Ter = 2.91 Sample Date Mate LT_Value Outlier Outlier Mean of all data: 0.00200 False 1 Barium, dissolved, mg/L Location: MW12 Mean of all data: 0.0175 Sandard Deviation of all data: $N = 0.0260$ Test Statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: $Tn = 3.23$ T Critical of all data: $Tn = 3.23$ T Critical of all data: $Tn = 3.23$ T Critical of all data: 0.0073 Largest Observation of all data: $Tn = 3.32$ T Critical of al	Date Range: 01/17/1984 t Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Mean of all data: 0.000232 Standard Deviation of all data: $Xn = 0.00200$ Test Statistic, high extreme of all data: $Tn = 5.95$ T critical of all data: $Tn = 2.91$ Sample Date Value IT_Value Outlier Location: MV12 Barium, dissolved, mg/L Location: Location: MV12 Mean of all data: $Tn = 2.31$ Contier Outlier Location: MV12 Mean of all data: 0.00370 Largest Observation Concentration of all data: $Xn = 0.0260$ Test statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: 0.00370 Largest Observation Concentration of all data: $Xn = 0.0260$ Test Statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: $1n = 2.31$ Contier Mulue Sample Date Value Low Side Moutiers Mulue Low Side Sample Date Value IT Value Coation: MV2D Mulue No Outliers Mulue Location: Sample Date Value IT Value Standard Devi	Arsenic, dissolved, mg/L				
Standard Deviation of all data: 0.000297 Largest Observation Concentration of all data: $Xn = 0.00200$ Test Statistic, high extreme of all data: $Tn = 5.95$ T Critical of all data: $Tr = 2.91$ Sample Date Yulue LT_Value Confirmer Outlier Margest Observation Concentration of all data: $Xn = 0.0200$ Largest Observation Concentration of all data: $Xn = 0.0260$ Test Statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: $Tr = 2.88$ Margest Observation Concentration of all data: $Xn = 0.0260$ Test Statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: 0.00730 Largest Observation Concentration of all data: $Xn = 0.0260$ Test Statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: 0.00730 Largest Observation Concentration of all data: $Tn = 2.31$ T Critical of all data: 0.00730 Largest Observation Concentration of all data: $Tn = 0.0260$ Test Statistic, high extreme of all data: $Tn = 0.0490$ Test Statistic, high extreme of all data: $Tn = 3.32$ T Critical of all data: 0.00732 Largest Observation Concentration of all data: $Tn = 3.32$ T Critical of all data: $Tn = 2.76$ Standard Deviation of all data: $Tn = 3.32$ T Critical of all data: $Tr = 2.76$	Location: MW5				
Sample DateValueLT_ValueLow SideHigh Side0/21/20140.00200False1Barium, dissolved, mg/LLocation: MW12Mean of all data: 0.0175Standard Deviation of all data: 0.00370Largest Observation Concentration of all data: Xn = 0.0260Test Statistic, high extreme of all data: Tn = 2.31T Critical of all data: Ter = 2.88Sample DateValueLT_ValueOutlier Low SideOutlier High SideBarium, dissolved, mg/LOatierOutlier Low SideOutlier High SideBarium, dissolved, mg/LLocation: MW22DMaleLT_ValueOutlier Low SideOutlier High SideMean of all data: 0.0247Stanget Observation Concentration of all data: Xn = 0.0490Starget Observation Concentration of all data: Xn = 0.0490Test Statistic, high extreme of all data: Tn = 3.32T critical of all data: Ter = 2.76OutlierSample DateValueLT_ValueOutlierOutlier	Standard Deviation of all Largest Observation Conc Test Statistic, high extrem	data: 0.000297 centration of all data: 1 e of all data: Tn = 5.9			
07/21/2014 0.00200 False I Barium, dissolved, mg/L Location: MW12 Image: Constraints of all data: 0.00370 Image: Constraints of all data: The state of all data:				Outlier	Outlier
Location: MW12Mean of all data: 0.0175Standard Deviation of all data: 0.00370Largest Observation Concentration of all data: $Xn = 0.0260$ Test Statistic, high extreme of all data: $Tn = 2.31$ T Critical of all data: $Ter = 2.88$ Sample DateValueValueLT_ValueOutlierNo OutliersBarium, dissolved, mg/LLocation: MW22DMean of all data: 0.0247Standard Deviation of all data: $Tn = 3.32$ T Critical of all data: $Ter = 2.76$ Sample DateValueLargest Observation Concentration of all data: $Tn = 3.32$ T Critical of all data: $Ter = 2.76$			—	Low Side	-
Standard Deviation of all data: 0.00370 Largest Observation Concentration of all data: $Tn = 2.31$ T Critical of all data: $Tcr = 2.88$ Sample DateValueLT_ValueOutlier Low SideOutlier High SideBarium, dissolved, mg/L Location: MW22DMean of all data: 0.0247 Standard Deviation of all data: $Tn = 3.32$ T Critical of all data: $Tn = 3.32$ Councertation of all data: $Tn = 3.32$ Councertation of all data: $Tn = 3.32$ Councertation of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$ Sample DateValueLT_ValueOutlier Low SideMultical of all data: $Tn = 3.32$ T Critical of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$ Outlier Low SideMultical of all data: $Tn = 3.32$ T Critical of all data: $Tn = 3.32$ T Critical of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$	-				
Sample DateValueLT_ValueLow SideHigh SideNo OutliersBarium, dissolved, mg/L Location: MW22DMean of all data: 0.0247Standard Deviation of all data: 0.00732 Largest Observation Concentration of all data: Tn = 0.0490Test Statistic, high extreme of all data: Tn = 3.32 T Critical of all data: Ter = 2.76Sample DateValueLT_ValueOutlier Low Side	Standard Deviation of all Largest Observation Conc Test Statistic, high extrem	centration of all data: $Tn = 2.3$			
No OutliersBarium, dissolved, mg/LLocation: MW22DMean of all data: 0.0247 Standard Deviation of all data: 0.00732 Largest Observation Concentration of all data: $Xn = 0.0490$ Test Statistic, high extreme of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$ Sample DateValueValueLT_ValueOutlierHigh Side				Outlier	Outlier
Barium, dissolved, mg/L Location: MW22D $I = 0.0490$ Mean of all data: 0.0247 Standard Deviation of all data: 0.00732 Largest Observation Concentration of all data: $Xn = 0.0490$ Test Statistic, high extreme of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$ Outlier Low SideOutlier High Side	Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
Location: MW22DMean of all data: 0.0247 Standard Deviation of all data: 0.00732 Largest Observation Concentration of all data: $Xn = 0.0490$ Test Statistic, high extreme of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$ Sample DateValueUT_ValueOutlierLow SideHigh Side	No Outliers				
Standard Deviation of all data: 0.00732 Largest Observation Concentration of all data: $Xn = 0.0490$ Test Statistic, high extreme of all data: $Tn = 3.32$ T Critical of all data: $Tcr = 2.76$ Outlier Sample Date Value LT_Value Low Side High Side					
Sample Date Value LT_Value Low Side High Side	Standard Deviation of all Largest Observation Conc Test Statistic, high extrem	centration of all data: $Tn = 3.3$			
	<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.0490	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Barium, dissolved, mg/L Location: MW22S				
Mean of all data: 0.00948 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: $T = 4.0$			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.0420	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Barium, dissolved, mg/L Location: MW23D				
Mean of all data: 0.0452 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter =	ntration of all data: 1 of all data: Tn = 2.0			
Sample Date 10/28/2019	<u>Value</u> 0.0290	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Barium, dissolved, mg/L Location: MW23S				
Mean of all data: 0.0353 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: of all data: Tn = 1.8			
Sample Date 10/28/2019	<u>Value</u> 0.00900	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Barium, dissolved, mg/L				
Location: MW2D				
Mean of all data: 0.0833 Standard Deviation of all data: 0. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.76	on of all data: 2			
			Outlier	Outlier
<u>Sample Date</u> 11/11/2024	<u>Value</u> 0.252	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1
Barium, dissolved, mg/L Location: MW2R				
Mean of all data: 0.0362 Standard Deviation of all data: 0. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.85	on of all data: 2			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Barium, dissolved, mg/L Location: MW3				
Mean of all data: 0.00743 Standard Deviation of all data: 0. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 2.37	on of all data: 2			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Date Range: 01/17/1984 to 11 Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Barium, dissolved, mg/L				
Location: MW3D				
Mean of all data: 0.0127 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Tcr = 2.8	ation of all data: 2 all data: Tn = 2.3			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Barium, dissolved, mg/L Location: MW4				
Mean of all data: 0.0185 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.8	ation of all data: 2 all data: Tn = 1.8			
Sample Date	Value	LT Value	Outlier Low Side	Outlier <u>High Side</u>
No Outliers			<u>Low Side</u>	manone
Barium, dissolved, mg/L Location: MW5 Mean of all data: 0.0300 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.9	ation of all data: 2 all data: Tn = 3.1			
<u>Sample Date</u> 09/26/2016	<u>Value</u> 0.0710	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Beryllium, dissolved, mg Location: MW12	g/L			
Mean of all data: 0.00097 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Tcr	data: 0.00101 centration of all data: T ne of all data: Tn = 3.9			
Sample Date 09/18/2017	<u>Value</u> <0.00500	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Beryllium, dissolved, mg Location: MW22D	2/L			
Mean of all data: 0.00295 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Tcr	data: 0.00250 centration of all data: T ne of all data: Tn = 2.8			
<u>Sample Date</u> 11/01/2021	<u>Value</u> <0.0100	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Beryllium, dissolved, mg Location: MW22S	2/L			
Mean of all data: 0.00861 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Tcr	data: 0.00358 centration of all data: T ne of all data: Tn = 2.9			
Sample Date 06/24/2024	<u>Value</u> 0.0193	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 (Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Beryllium, dissolved, mg Location: MW23D	/L			
Mean of all data: 0.00100 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	data: 0.0 centration of all data: $T_{n} = 0.0$			
			Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Beryllium, dissolved, mg Location: MW23S	/L			
Mean of all data: 0.00125 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	data: 0.00134 centration of all data: T ne of all data: Tn = 5.2			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.00820	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Beryllium, dissolved, mg Location: MW2D	/L			
Mean of all data: 0.00113 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	data: 0.000718 centration of all data: 1 he of all data: Tn = 5.3			
<u>Sample Date</u> 11/01/2021	<u>Value</u> <0.00500	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/18/2 Confidence Level: 95%	2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Transform: None				
Beryllium, dissolved, mg/L				
Location: MW2R				
Mean of all data: 0.000816 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all d T Critical of all data: Tcr = 2.85	of all data:			
	** 1		Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Low Side	<u>High Side</u>
Beryllium, dissolved, mg/L Location: MW3				
Mean of all data: 0.000571 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all d T Critical of all data: Tcr = 2.37	of all data:			
	X7.1		Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	LT_Value	Low Side	<u>High Side</u>
Beryllium, dissolved, mg/L Location: MW3D				
Mean of all data: 0.000788 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all d T Critical of all data: Tcr = 2.89	of all data:			
Sample Date	Value	LT_Value_	Outlier Low Side	Outlier High Side
No Outliers				

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to 11 Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Beryllium, dissolved, mg/L				
Location: MW4				
Mean of all data: 0.000730 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.8	ation of all data: 2 all data: Tn = 0.6			
	¥7.1		Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Beryllium, dissolved, mg/L Location: MW5 Mean of all data: 0.000727 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Tcr = 2.9 Sample Date No Outliers	ation of all data: 2 all data: Tn = 0.6		Outlier Low Side	Outlier <u>High Side</u>
Boron, dissolved, mg/L Location: MW12 Mean of all data: 0.173 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.8	ation of all data: 2 all data: Tn = 4.1			
	** •		Outlier	Outlier
Sample Date 08/28/2018	<u>Value</u> 0.460	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1
00/20/2010	0.400	1-0150		1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None) 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Boron, dissolved, mg/L Location: MW22D				
Mean of all data: 6.20 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: $\frac{1}{2}$ of all data: Tn = 1.5			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.0500	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Boron, dissolved, mg/L Location: MW22S Mean of all data: 3.64 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter = <u>Sample Date</u> 08/28/2018	entration of all data: $\frac{1}{2}$ of all data: Tn = 5.1		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Boron, dissolved, mg/L Location: MW23D Mean of all data: 0.324 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: $\frac{1}{2}$ of all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> 8.02	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/1 Confidence Level: 95% Transform: None	18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Boron, dissolved, mg/L Location: MW23S				
Mean of all data: 0.340 Standard Deviation of all data: 0 Largest Observation Concentrat Test Statistic, high extreme of a T Critical of all data: Ter = 2.73	tion of all data: 1 ll data: Tn = 5.2			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 5.24	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Boron, dissolved, mg/L Location: MW2D Mean of all data: 0.181				
Standard Deviation of all data: Clargest Observation Concentrat Test Statistic, high extreme of a T Critical of all data: Tcr = 2.76	tion of all data: 1 ll data: Tn = 3.0			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 0.850	<u>LT Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Boron, dissolved, mg/L Location: MW2R				
Mean of all data: 1.76 Standard Deviation of all data: 1 Largest Observation Concentrat Test Statistic, high extreme of a T Critical of all data: Tcr = 3.08	tion of all data: 1 ll data: Tn = 2.4			
Sample Date No Outliers	Value	<u>LT_Value</u>	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	3/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Boron, dissolved, mg/L Location: MW3				
Mean of all data: 3.03 Standard Deviation of all data: 1. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 3.00	on of all data: 2			
Sample Date	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
No Outliers	value		Low Side	<u>mgi side</u>
Boron, dissolved, mg/L Location: MW3D Mean of all data: 3.85 Standard Deviation of all data: 1. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 2.89	on of all data: 2			
Sample Date No Outliers	Value	<u>LT Value</u>	Outlier Low Side	Outlier <u>High Side</u>
Boron, dissolved, mg/L Location: MW4				
Mean of all data: 0.263 Standard Deviation of all data: 0. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 3.14	on of all data: 2			
<u>Sample Date</u> 06/11/2012	<u>Value</u> 0.831	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 t Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Boron, dissolved, mg/L Location: MW5				
Mean of all data: 0.203 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: e of all data: Tn = 3.9			
Sample Date 09/06/2011	<u>Value</u> 0.710	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cadmium, dissolved, mg/ Location: MW12	L			
Mean of all data: 0.000220 Standard Deviation of all of Largest Observation Conco Test Statistic, high extreme T Critical of all data: Ter =	data: 0.000195 entration of all data: e of all data: Tn = 5.2			
Sample Date 09/18/2017	<u>Value</u> <0.00125	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cadmium, dissolved, mg/ Location: MW22D	L			
Mean of all data: 0.00196 Standard Deviation of all c Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: e of all data: $Tn = 2.7$			
Sample Date 09/18/2017	<u>Value</u> 0.00450	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cadmium, dissolved, mg/ Location: MW22S	L			
Mean of all data: 0.00467 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	entration of all data: e of all data: $Tn = 3.6$			
Sample Date 06/24/2024	<u>Value</u> 0.0143	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cadmium, dissolved, mg/ Location: MW23D Mean of all data: 0.000297 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	7 data: 0.000251 entration of all data: $\frac{1}{2}$ e of all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> 0.00160	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cadmium, dissolved, mg/ Location: MW23S	L			
Mean of all data: 0.000417 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	data: 0.000901 entration of all data: 1 e of all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> 0.00510	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/18/2 Confidence Level: 95% Transform: None	024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cadmium, dissolved, mg/L Location: MW2D				
Mean of all data: 0.000250 Standard Deviation of all data: 0.0 Largest Observation Concentration Test Statistic, high extreme of all da T Critical of all data: Ter = 0.0				
Seconda Dete	¥7-1	IT Value	Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Low Side	<u>High Side</u>
Cadmium, dissolved, mg/L Location: MW2R				
Mean of all data: 0.000204 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all da T Critical of all data: Ter = 2.85	of all data:			
	17.1		Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Low Side	<u>High Side</u>
Cadmium, dissolved, mg/L Location: MW3				
Mean of all data: 0.000143 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all da T Critical of all data: Tcr = 2.37	of all data:			
Sample Date	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
No Outliers				

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/18/2 Confidence Level: 95% Transform: None	2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cadmium, dissolved, mg/L Location: MW3D				
Mean of all data: 0.00316 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all d T Critical of all data: Ter = 2.89	of all data:			
Sample Date	Value	LT Value	Outlier Low Side	Outlier <u>High Side</u>
No Outliers	<u>value</u>		Low Side	<u>mgi side</u>
Cadmium, dissolved, mg/L Location: MW4				
Mean of all data: 0.000182 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all d T Critical of all data: Tcr = 2.84	of all data:			
	X7.1		Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Cadmium, dissolved, mg/L Location: MW5				
Mean of all data: 0.000182 Standard Deviation of all data: 0.00 Largest Observation Concentration Test Statistic, high extreme of all d T Critical of all data: Tcr = 2.91	of all data:			
Sample Date	Value	LT_Value	Outlier Low Side	Outlier <u>High Side</u>
No Outliers				

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chloride, dissolved, mg/L Location: MW12				
Mean of all data: 4.65 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr = 2	ntration of all data: f of all data: $Tn = 2.5$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Chloride, dissolved, mg/L Location: MW22D				
Mean of all data: 8.10 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ntration of all data: 1 of all data: Tn = 4.4			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
05/14/2018	14.2	False		1
Chloride, dissolved, mg/L				
Location: MW228				
Mean of all data: 8.68 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ntration of all data: 1 of all data: Tn = 3.4			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
05/14/2018	20.6	False		1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/ Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chloride, dissolved, mg/L Location: MW23D				
Mean of all data: 4.84 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.73	tion of all data: 1 all data: Tn = 3.3			
Sample Date 10/28/2019	<u>Value</u> 9.70	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Chloride, dissolved, mg/L Location: MW23S				
Mean of all data: 3.11 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.73	tion of all data: 1 all data: Tn = 2.9			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 10.1	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Chloride, dissolved, mg/L Location: MW2D				
Mean of all data: 12.2 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.70	tion of all data: 1 all data: Tn = 3.1			
Sample Date 06/20/2022	<u>Value</u> 19.5	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chloride, dissolved, mg/L Location: MW2R				
Mean of all data: 18.0 Standard Deviation of all data: 6 Largest Observation Concentrati Test Statistic, high extreme of all T Critical of all data: Tcr = 2.85	on of all data: 2			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Chloride, dissolved, mg/L Location: MW3 Mean of all data: 6.60 Standard Deviation of all data: 6 Largest Observation Concentrati Test Statistic, high extreme of all	on of all data: 2			
T Critical of all data: $Tcr = 2.37$				
Sample Date	Value	LT Value	Outlier Low Side	Outlier <u>High Side</u>
07/21/2014	<u>Value</u> 21.9	<u>E1_value</u> False	Low side	<u>1</u>
Chloride, dissolved, mg/L Location: MW3D Mean of all data: 13.0 Standard Deviation of all data: 4	62			
Largest Observation Concentrati Test Statistic, high extreme of all T Critical of all data: Ter = 2.89	on of all data: 2			
	.		Outlier	Outlier
Sample Date	Value	LT_Value_	Low Side	<u>High Side</u>
No Outliers				

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chloride, dissolved, mg/L Location: MW4				
Mean of all data: 2.53 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme o T Critical of all data: Ter = 2	tration of all data: $\frac{1}{2}$ of all data: Tn = 3.6			
<u>Sample Date</u> 11/01/2021	<u>Value</u> 12.4	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Chloride, dissolved, mg/L Location: MW5				
Mean of all data: 3.45 Standard Deviation of all dat Largest Observation Concent Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: 1 of all data: Tn = 3.9			
<u>Sample Date</u> 11/01/2021	<u>Value</u> 16.0	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Chromium, dissolved, mg/L Location: MW12				
Mean of all data: 0.00101 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: 1 of all data: Tn = 4.5			
Sample Date 09/22/2014	<u>Value</u> 0.00600	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chromium, dissolved, m Location: MW22D	g/L			
Mean of all data: 0.00118 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	data: 0.00116 centration of all data: The of all data: Tn = 4.0			
Sample Date 05/14/2018	<u>Value</u> 0.00590	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Chromium, dissolved, m Location: MW22S Mean of all data: 0.00086 Standard Deviation of all Largest Observation Conc	1 data: 0.000712	Xn = 0.00410		
Test Statistic, high extrem T Critical of all data: Ter	the of all data: $Tn = 4.5$			
Sample Date 05/14/2018	<u>Value</u> 0.00410	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Chromium, dissolved, m Location: MW23D	g/L			
Mean of all data: 0.00097 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	data: 0.000130 centration of all data: The of all data: Th = 0.1			
Sample Date 03/01/2021	<u>Value</u> 0.000300	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chromium, dissolved, n Location: MW23S	ng/L			
Mean of all data: 0.0009 Standard Deviation of al Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000181 ncentration of all data: me of all data: Tn = 0.2			
Sample Date 10/28/2019	<u>Value</u> 0.000300	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Chromium, dissolved, n Location: MW2D Mean of all data: 0.0009 Standard Deviation of al Largest Observation Cor	77 1 data: 0.000126	Xn = 0.00100		
Test Statistic, high extrem T Critical of all data: Ter	me of all data: $Tn = 0.1$			
Sample Date 03/21/2022	<u>Value</u> 0.000300	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Chromium, dissolved, n Location: MW2R	ng/L			
Mean of all data: 0.0012 Standard Deviation of al Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	l data: 0.00222 ncentration of all data: 1 me of all data: Tn = 5.7			
Sample Date 04/21/2014	<u>Value</u> 0.0140	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 t Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chromium, dissolved, mg Location: MW3	g/L			
Mean of all data: 0.00211 Standard Deviation of all of Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: e of all data: Tn = 3.0			
Sample Date 04/21/2014	<u>Value</u> 0.0140	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Chromium, dissolved, mg Location: MW3D Mean of all data: 0.000800 Standard Deviation of all d)			
Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: 1 e of all data: Tn = 4.0			
Sample Date 01/19/2015	<u>Value</u> 0.00300	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Chromium, dissolved, mg Location: MW4	:/L			
Mean of all data: 0.00122 Standard Deviation of all c Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: 1 e of all data: Tn = 5.0			
Sample Date 04/21/2014	<u>Value</u> 0.0140	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Chromium, dissolved, m Location: MW5	g/L			
Mean of all data: 0.00075 Standard Deviation of all Largest Observation Cond Test Statistic, high extrem T Critical of all data: Tcr	data: 0.00111 centration of all data: The of all data: The function of all data: The function of all data: The function of			
<u>Sample Date</u> 04/21/2014	<u>Value</u> 0.00700	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cobalt, dissolved, mg/L Location: MW12 Mean of all data: 0.00078				
Standard Deviation of all Largest Observation Cond Test Statistic, high extrem T Critical of all data: Tcr	centration of all data: The of all data: The function of all data: The 0.5			
Sample Date No Outliers	<u>Value</u>	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Cobalt, dissolved, mg/L Location: MW22D				
Mean of all data: 0.0920 Standard Deviation of all Largest Observation Cone Test Statistic, high extrem T Critical of all data: Ter	centration of all data: The of all data: $Tn = 2.1$			
Sample Date 10/28/2019	<u>Value</u> <0.00100	<u>LT_Value</u> True	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cobalt, dissolved, mg/L Location: MW22S	1			
Mean of all data: 0.116 Standard Deviation of al Largest Observation Con Test Statistic, high extre T Critical of all data: Test	ncentration of all data: The of all data: The fall data data data data data data data d			
Sample Date 10/28/2019	<u>Value</u> <0.00100	<u>LT_Value</u> True	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Cobalt, dissolved, mg/L Location: MW23D				
Mean of all data: 0.0050 Standard Deviation of al Largest Observation Con Test Statistic, high extre T Critical of all data: Test	ll data: 0.0193 ncentration of all data: 1 me of all data: Tn = 5.1			
Sample Date 10/28/2019	<u>Value</u> 0.105	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cobalt, dissolved, mg/L Location: MW23S				
Mean of all data: 0.0041 Standard Deviation of al Largest Observation Con Test Statistic, high extre T Critical of all data: Test	ll data: 0.0167 ncentration of all data: 1 me of all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> 0.0910	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11 Confidence Level: 95% Transform: None	1/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cobalt, dissolved, mg/L Location: MW2D				
Mean of all data: 0.00100 Standard Deviation of all data Largest Observation Concentu Test Statistic, high extreme of T Critical of all data: Ter = 0.0	ration of all data: 2 f all data: Tn = 0.0			
	¥7.1		Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Cobalt, dissolved, mg/L Location: MW2R				
Mean of all data: 0.000816 Standard Deviation of all data Largest Observation Concentu Test Statistic, high extreme of T Critical of all data: Ter = 2.3	ration of all data: 2 f all data: Tn = 0.4			
	¥7.1	177 1/1	Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	LT_Value	Low Side	<u>High Side</u>
Cobalt, dissolved, mg/L Location: MW3				
Mean of all data: 0.00121 Standard Deviation of all data Largest Observation Concentu Test Statistic, high extreme of T Critical of all data: Ter = 2.3	ration of all data: 2 Fall data: Tn = 3.3			
Sample Date 04/20/2015	<u>Value</u> 0.00600	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/18/ Confidence Level: 95% Transform: None	2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cobalt, dissolved, mg/L Location: MW3D				
Mean of all data: 0.0995 Standard Deviation of all data: 0.0 Largest Observation Concentration Test Statistic, high extreme of all o T Critical of all data: Tcr = 2.89	n of all data:			
Secola Dete	V-los	IT Malara	Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Low Side	<u>High Side</u>
Cobalt, dissolved, mg/L Location: MW4				
Mean of all data: 0.000730 Standard Deviation of all data: 0.0 Largest Observation Concentration Test Statistic, high extreme of all o T Critical of all data: Tcr = 2.84	n of all data:			
	T 7 1		Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	High Side
Cobalt, dissolved, mg/L Location: MW5				
Mean of all data: 0.000727 Standard Deviation of all data: 0.0 Largest Observation Concentration Test Statistic, high extreme of all of T Critical of all data: Tcr = 2.91	n of all data:			
Sample Date	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
No Outliers	<u>`</u>			

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Copper, dissolved, mg/L Location: MW12				
Mean of all data: 0.0005 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Tcr	data: 0.000362 centration of all data: T ne of all data: Tn = 4.1			
Sample Date 04/20/2015	<u>Value</u> 0.00200	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Copper, dissolved, mg/L Location: MW22D Mean of all data: 0.0031: Standard Deviation of all Largest Observation Con Test Statistic, high extrer	5 data: 0.00514 centration of all data: 1			
T Critical of all data: Tcr <u>Sample Date</u> 06/19/2017		<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Copper, dissolved, mg/L Location: MW22S				
Mean of all data: 0.0137 Standard Deviation of all Largest Observation Con Test Statistic, high extrer T Critical of all data: Tcr	centration of all data: $Tn = 3.1$			
Sample Date 09/23/2024	<u>Value</u> 0.0567	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/18/20 Confidence Level: 95% Transform: None)24			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Copper, dissolved, mg/L Location: MW23D				
Mean of all data: 0.000500 Standard Deviation of all data: 0.0 Largest Observation Concentration of Test Statistic, high extreme of all da T Critical of all data: Tcr = 0.0				
Sample Date	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
No Outliers				
Copper, dissolved, mg/L Location: MW23S				
Mean of all data: 0.000955 Standard Deviation of all data: 0.00 Largest Observation Concentration of Test Statistic, high extreme of all da T Critical of all data: Tcr = 2.73	of all data: I			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.00780	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Copper, dissolved, mg/L Location: MW2D				
Mean of all data: 0.000500 Standard Deviation of all data: 0.0 Largest Observation Concentration of Test Statistic, high extreme of all da T Critical of all data: Ter = 0.0				
Sample Date No Outliers	Value	LT_Value_	Outlier Low Side	Outlier <u>High Side</u>

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Copper, dissolved, mg/L Location: MW2R				
Mean of all data: 0.000566 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000389 entration of all data: $\frac{1}{2}$ e of all data: Tn = 3.6			
Sample Date 04/21/2014	<u>Value</u> 0.00200	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Copper, dissolved, mg/L Location: MW3				
Mean of all data: 0.00308 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: $\frac{1}{2}$ of all data: Tn = 2.9			
Sample Date 07/28/1994	<u>Value</u> 0.0170	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Copper, dissolved, mg/L Location: MW3D				
Mean of all data: 0.00110 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: $1 = 5.6$			
Sample Date 03/07/2016	<u>Value</u> 0.0130	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Copper, dissolved, mg/L Location: MW4				
Mean of all data: 0.00555 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: $\frac{1}{2}$ of all data: Tn = 6.3			
<u>Sample Date</u> 12/27/1991	<u>Value</u> 0.200	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Copper, dissolved, mg/L Location: MW5				
Mean of all data: 0.000615 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: 1 of all data: Tn = 5.9			
<u>Sample Date</u> 07/28/1994	<u>Value</u> 0.00700	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cyanide, total, mg/L Location: MW12				
Mean of all data: 0.00890 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: T of all data: Tn = 5.9			
Sample Date 05/14/2018	<u>Value</u> 0.0900	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cyanide, total, mg/L Location: MW22D				
Mean of all data: 0.0135 Standard Deviation of all Largest Observation Cont Test Statistic, high extrem T Critical of all data: Tcr	centration of all data: The of all data: The fall data data data data data data data d			
Sample Date 03/21/2022	<u>Value</u> 0.0700	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cyanide, total, mg/L Location: MW22S Mean of all data: 0.0108 Standard Deviation of all Largest Observation Cone Test Statistic, high extrem T Critical of all data: Tcr	centration of all data: The of all data: $Tn = 5.1$			
Sample Date 03/21/2022	<u>Value</u> 0.0600	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Cyanide, total, mg/L Location: MW23D				
Mean of all data: 0.0122 Standard Deviation of all Largest Observation Cond Test Statistic, high extrem T Critical of all data: Ter	centration of all data: The of all data: The fall data: The second seco			
Sample Date 03/21/2022	<u>Value</u> 0.0600	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cyanide, total, mg/L Location: MW23S				
Mean of all data: 0.00983 Standard Deviation of all Largest Observation Cond Test Statistic, high extrem T Critical of all data: Ter	data: 0.00433 centration of all data: The of all data: The fall			
Sample Date 06/20/2022	<u>Value</u> 0.0300	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cyanide, total, mg/L Location: MW2D Mean of all data: 0.0100 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	centration of all data: The of all data: $Tn = 4.3$			
Sample Date 03/18/2024	<u>Value</u> 0.0300	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Cyanide, total, mg/L Location: MW2R				
Mean of all data: 0.00776 Standard Deviation of all Largest Observation Cond Test Statistic, high extrem T Critical of all data: Ter	data: 0.00541 centration of all data: $Tn = 4.1$			
Sample Date 10/26/2020	<u>Value</u> 0.0300	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	3/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cyanide, total, mg/L Location: MW3				
Mean of all data: 0.00429 Standard Deviation of all data: 0. Largest Observation Concentratio Test Statistic, high extreme of all T Critical of all data: Tcr = 2.37	on of all data: 2			
Sample Date	Value	LT Value	Outlier Low Side	Outlier <u>High Side</u>
No Outliers	value		Low Side	<u>mgi side</u>
Cyanide, total, mg/L Location: MW3D				
Mean of all data: 0.00667 Standard Deviation of all data: 0. Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 2.89	on of all data: 2			
	X 7 1		Outlier	Outlier
Sample Date No Outliers	Value	LT_Value_	Low Side	<u>High Side</u>
Cyanide, total, mg/L				
Location: MW4				
Mean of all data: 0.00662 Standard Deviation of all data: 0. Largest Observation Concentratio Test Statistic, high extreme of all T Critical of all data: Ter = 2.84	on of all data: 2			
Sample Date	Value	LT_Value	Outlier Low Side	Outlier <u>High Side</u>
No Outliers				

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Cyanide, total, mg/L Location: MW5				
Mean of all data: 0.00832 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.91	on of all data:			
<u>Sample Date</u> 09/26/2016	<u>Value</u> 0.0700	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Fluoride, dissolved, mg/L Location: MW12				
Mean of all data: 0.109 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 2.88	on of all data:			
<u>Sample Date</u> 11/02/2015	<u>Value</u> 0.454	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Fluoride, dissolved, mg/L Location: MW22D				
Mean of all data: 0.517 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.75	on of all data:			
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Fluoride, dissolved, mg/L				
Location: MW22S Mean of all data: 0.668 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: $\frac{1}{2}$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
No Outliers				
Fluoride, dissolved, mg/L Location: MW23D Mean of all data: 0.125 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: $\frac{1}{2}$ of all data: Tn = 4.7	73	Outlier	Outlier
Sample Date 10/28/2019	<u>Value</u> 0.600	<u>LT_Value</u> False	Low Side	<u>High Side</u>
Fluoride, dissolved, mg/L Location: MW23S Mean of all data: 0.153 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	ta: 0.175 tration of all data: 1 of all data: Tn = 4.2	Xn = 0.900		1
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.900	<u>LT Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Fluoride, dissolved, mg/L				
Location: MW2D				
Mean of all data: 0.192 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ntration of all data: of all data: $Tn = 2.6$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Fluoride, dissolved, mg/L Location: MW2R				
Mean of all data: 0.652 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ntration of all data: of all data: Tn = 6.0			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
11/02/2015	21.2	False		1
Fluoride, dissolved, mg/L				
Location: MW3				
Mean of all data: 0.252 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ntration of all data: of all data: $Tn = 2.8$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
04/20/2015	0.984	False		1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to 11/1 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Fluoride, dissolved, mg/L				
Location: MW3D				
Mean of all data: 0.348 Standard Deviation of all data: 0 Largest Observation Concentrat Test Statistic, high extreme of al T Critical of all data: Ter = 2.89	ion of all data: 2 ll data: Tn = 2.8			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Fluoride, dissolved, mg/L Location: MW4				
Mean of all data: 0.202 Standard Deviation of all data: (Largest Observation Concentrat Test Statistic, high extreme of al T Critical of all data: Tcr = 2.84	ion of all data: 2 ll data: Tn = 2.6			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Fluoride, dissolved, mg/L Location: MW5				
Mean of all data: 0.129 Standard Deviation of all data: (Largest Observation Concentrat Test Statistic, high extreme of al T Critical of all data: Tcr = 2.91	ion of all data: 2 ll data: Tn = 3.5			
<u>Sample Date</u> 11/02/2015	<u>Value</u> 0.418	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Iron, dissolved, mg/L Location: MW12				
Mean of all data: 0.102 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: 1 of all data: Tn = 3.3			
<u>Sample Date</u> 01/19/2015	<u>Value</u> 0.710	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW22D Mean of all data: 105. Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: 1 of all data: Tn = 3.2			
<u>Sample Date</u> 06/19/2017	<u>Value</u> 354.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW22S				
Mean of all data: 372. Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: of all data: Tn = 1.4			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Date Range: 01/17/1984 to 11/13 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Iron, dissolved, mg/L Location: MW23D				
Mean of all data: 2.68 Standard Deviation of all data: 1 Largest Observation Concentrati Test Statistic, high extreme of all T Critical of all data: Ter = 2.73	on of all data:			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 70.0	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW23S Mean of all data: 7.08				
Standard Deviation of all data: 3 Largest Observation Concentrati Test Statistic, high extreme of all T Critical of all data: Ter = 2.73	on of all data:			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 204.	<u>LT Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW2D				
Mean of all data: 0.715 Standard Deviation of all data: 0 Largest Observation Concentrati Test Statistic, high extreme of all T Critical of all data: Ter = 2.76	on of all data:			
Sample Date 06/17/2019	<u>Value</u> 3.56	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11 Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Iron, dissolved, mg/L Location: MW2R				
Mean of all data: 0.109 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.8	ation of all data: 1 all data: Tn = 3.1			
Sample Date 01/19/2015	<u>Value</u> 0.603	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW3 Mean of all data: 0.276 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.9	ation of all data: 1 all data: Tn = 3.7			
Sample Date 01/19/2015	<u>Value</u> 2.89	<u>LT Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW3D				
Mean of all data: 4.02 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Tcr = 2.8	ation of all data: 1 all data: Tn = 2.4			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	0 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Iron, dissolved, mg/L Location: MW4				
Mean of all data: 0.0867 Standard Deviation of all da Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	ntration of all data: 1 of all data: Tn = 4.5			
Sample Date 01/30/2012	<u>Value</u> 0.751	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Iron, dissolved, mg/L Location: MW5 Mean of all data: 0.0680 Standard Deviation of all de Largest Observation Conce Test Statistic, high extreme	ntration of all data:			
T Critical of all data: Tcr = <u>Sample Date</u> 01/22/1991		<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Lead, dissolved, mg/L Location: MW12 Mean of all data: 0.00110 Standard Deviation of all da Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	ntration of all data: $T = 5.4$			
<u>Sample Date</u> 08/26/2019	<u>Value</u> <0.0100	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Lead, dissolved, mg/L Location: MW22D				
Mean of all data: 0.00816 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: 2 of all data: Tn = 1.7			
Count Date	¥7-1	IT Value	Outlier	Outlier
Sample Date No Outliers	Value	LT_Value	Low Side	<u>High Side</u>
Lead, dissolved, mg/L Location: MW22S				
Mean of all data: 0.00632 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: 2 of all data: Tn = 2.0			
			Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Lead, dissolved, mg/L Location: MW23D				
Mean of all data: 0.00103 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: 2 of all data: Tn = 5.2			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 0.00200	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Lead, dissolved, mg/L				
Location: MW23S Mean of all data: 0.00152 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: To f all data: To f all data: Tn = 4.2			
<u>Sample Date</u> 08/26/2019	<u>Value</u> <0.0100	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Lead, dissolved, mg/L Location: MW2D Mean of all data: 0.00100				
Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 0	tration of all data: $T = 0.0$			
Sample Date No Outliers	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Lead, dissolved, mg/L Location: MW2R				
Mean of all data: 0.000842 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: To f all data: To f all data: Tn = 0.4			
Sample Date No Outliers	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Date Range: 01/17/1984 to	o 11/18/2024			LT Multiplier: x 0.50
Confidence Level: 95%				Number of Outliers: One Outlier
Transform: None				
Lead, dissolved, mg/L				
Location: MW3				
Mean of all data: 0.000571 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme	ata: 0.000514 entration of all data:			
T Critical of all data: Tcr =	2.37			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Lead, dissolved, mg/L				
Location: MW3D				
Mean of all data: 0.000762 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	ata: 0.000431 entration of all data: e of all data: Tn = 0.3			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Lead, dissolved, mg/L				
Location: MW4				
Mean of all data: 0.000730 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	ata: 0.000450 entration of all data: e of all data: Tn = 0.6			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
No Outliers				

User Supplied Information

Date Range: 01/17/1984 to 11/1 Confidence Level: 95% Transform: None	18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Lead, dissolved, mg/L Location: MW5				
Mean of all data: 0.000727 Standard Deviation of all data: (Largest Observation Concentrat Test Statistic, high extreme of a T Critical of all data: Tcr = 2.91	ion of all data: I ll data: Tn = 0.6			
			Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Low Side	<u>High Side</u>
Manganese, dissolved, mg/L Location: MW12 Mean of all data: 0.214 Standard Deviation of all data: 0 Largest Observation Concentrat Test Statistic, high extreme of a T Critical of all data: Tcr = 2.88	ion of all data: I ll data: Tn = 4.1			
Sample Date 08/28/2018	<u>Value</u> 1.66	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg/L Location: MW22D				
Mean of all data: 9.75 Standard Deviation of all data: 4 Largest Observation Concentrat Test Statistic, high extreme of a T Critical of all data: Ter = 2.76	ion of all data: 1 ll data: Tn = 2.2			
Sample Date No Outliers	<u>Value</u>	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 to 11 Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Manganese, dissolved, mg/L Location: MW22S				
Mean of all data: 23.9 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: 1 all data: Tn = 4.9			
Sample Date 06/19/2017	<u>Value</u> 106.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg/L Location: MW23D Mean of all data: 0.415 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7 <u>Sample Date</u> 10/28/2019	ation of all data: 1 all data: Tn = 5.2		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg/L Location: MW23S Mean of all data: 0.487 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: 1 all data: Tn = 5.2		Outlier	Outlier
<u>Sample Date</u> 10/28/2019	<u>Value</u> 13.5	<u>LT_Value</u> False	Low Side	High Side 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	9 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Manganese, dissolved, mg Location: MW2D	/L			
Mean of all data: 0.0768 Standard Deviation of all da Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: $1 \text{ of all data: } Tn = 3.0$			
Sample Date 09/23/2024	<u>Value</u> 0.126	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg Location: MW2R	/L			
Mean of all data: 0.00680 Standard Deviation of all da Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: f of all data: Tn = 4.0			
Sample Date 11/02/2015	<u>Value</u> 0.0534	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg Location: MW3	/L			
Mean of all data: 0.0693 Standard Deviation of all da Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: $1 \text{ of all data: } Tn = 4.9$			
Sample Date 04/20/2015	<u>Value</u> 0.708	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Manganese, dissolved, mg/I Location: MW3D				
Mean of all data: 11.3 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme o T Critical of all data: Ter = 2	tration of all data: 1 of all data: Tn = 3.7			
Sample Date 03/13/2017	<u>Value</u> 43.7	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg/I Location: MW4	_			
Mean of all data: 0.0296 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Ter = 3	tration of all data: 1 of all data: Tn = 8.1			
Sample Date 07/09/2012	<u>Value</u> 1.25	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Manganese, dissolved, mg/I Location: MW5	_			
Mean of all data: 0.00367 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Ter = 3	tration of all data: 1 of all data: Tn = 4.9			
Sample Date 10/27/2014	<u>Value</u> 0.0380	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Mercury, dissolved, mg	L			
Location: MW12 Mean of all data: 0.0001 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000162 centration of all data: 2 ne of all data: Tn = 5.4			
<u>Sample Date</u> 08/26/2019	<u>Value</u> <0.00100	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Mercury, dissolved, mg/ Location: MW22D Mean of all data: 0.00010 Standard Deviation of all Largest Observation Com Test Statistic, high extrer T Critical of all data: Ter	00 l data: 0.000000000000 centration of all data: 2 ne of all data: Tn = 0.0	Xn = 0.000100		
Sample Date No Outliers	Value	<u>LT_Value</u>	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Mercury, dissolved, mg/ Location: MW22S Mean of all data: 0.0001 Standard Deviation of all Largest Observation Com Test Statistic, high extrem T Critical of all data: Ter	35 I data: 0.000162 Icentration of all data: 2 ne of all data: Tn = 5.3			
<u>Sample Date</u> 08/26/2019	<u>Value</u> <0.00100	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier
Mercury, dissolved, mg Location: MW23D	/L			
Mean of all data: 0.0001 Standard Deviation of al Largest Observation Cor Test Statistic, high extrem T Critical of all data: Ter	l data: $0.00000000000000000000000000000000000$	Xn = 0.000100		
			Outlier	Outlier
Sample Date	Value	LT_Value_	Low Side	<u>High Side</u>
No Outliers				
Mercury, dissolved, mg Location: MW23S	/L			
Mean of all data: 0.0001 Standard Deviation of al Largest Observation Cor Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000167 ncentration of all data: me of all data: Tn = 5.2			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
08/26/2019	<0.00100	True		1
Mercury, dissolved, mg	/L			
Location: MW2D				
Mean of all data: 0.0001 Standard Deviation of al Largest Observation Cor Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000000000000 ncentration of all data: me of all data: Tn = 0.0	Xn = 0.000100		
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
No Outliers				

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Mercury, dissolved, mg/L Location: MW2R				
Mean of all data: 0.0000842 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Tcr = 2.85	on of all data:			
		Y 770 Y Y 1	Outlier	Outlier
Sample Date No Outliers	<u>Value</u>	<u>LT_Value</u>	Low Side	<u>High Side</u>
Mercury, dissolved, mg/L Location: MW3				
Mean of all data: 0.0000533 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.41	on of all data:			
Samula Data	Value	IT Value	Outlier Low Side	Outlier Uich Side
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Mercury, dissolved, mg/L Location: MW3D				
Mean of all data: 0.0000786 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.89	on of all data:			
Sample Date	Value	<u>LT_Value</u>	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
No Outliers				

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/ Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Mercury, dissolved, mg/L Location: MW4				
Mean of all data: 0.0000757 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Ter = 2.84	tion of all data: Tail data: Tail data: Tn = 2.5			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Mercury, dissolved, mg/L Location: MW5 Mean of all data: 0.0000932	0.000122			
Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.9	tion of all data: 2 all data: Tn = 6.1			
<u>Sample Date</u> 04/21/2014	<u>Value</u> 0.000900	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Nickel, dissolved, mg/L Location: MW12				
Mean of all data: 0.00198 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.88	tion of all data: 2 all data: Tn = 2.8			
Sample Date No Outliers	Value	LT_Value_	Outlier Low Side	Outlier <u>High Side</u>

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nickel, dissolved, mg/L Location: MW22D				
Mean of all data: 0.0596 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: $\frac{1}{2}$ of all data: Tn = 2.1			
			Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Nickel, dissolved, mg/L Location: MW22S				
Mean of all data: 0.132 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: 2 e of all data: Tn = 3.1			
			Outlier	Outlier
Sample Date 06/24/2024	<u>Value</u> 0.324	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1
Nickel, dissolved, mg/L Location: MW23D				
Mean of all data: 0.00209 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	entration of all data: T e of all data: Tn = 5.1			
Sample Date 10/28/2019	<u>Value</u> 0.0465	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nickel, dissolved, mg/L Location: MW23S				
Mean of all data: 0.00461 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter =	ntration of all data: 1 of all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> 0.119	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nickel, dissolved, mg/L Location: MW2D Mean of all data: 0.000353 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = <u>Sample Date</u> 09/23/2024	ntration of all data: 1 of all data: Tn = 3.7		Outlier Low Side	Outlier <u>High Side</u> 1
Nickel, dissolved, mg/L Location: MW2R Mean of all data: 0.00118 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter =	ntration of all data: $1 \text{ of all data: } Tn = 4.8$		Outlier	Outlier
<u>Sample Date</u> 11/03/2014	<u>Value</u> 0.0120	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1

Date Range: 01/17/1984 to 11/ Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nickel, dissolved, mg/L Location: MW3				
Mean of all data: 0.00959 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Tcr = 2.3	tion of all data: Σ all data: Tn = 1.7			
	X7.1		Outlier	Outlier
Sample Date No Outliers	Value	LT_Value_	Low Side	<u>High Side</u>
Nickel, dissolved, mg/L Location: MW3D				
Mean of all data: 0.155 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.8	tion of all data: X all data: Tn = 2.4			
Samula Data	V-h		Outlier	Outlier
Sample Date No Outliers	Value	LT_Value	Low Side	<u>High Side</u>
Nickel, dissolved, mg/L Location: MW4 Mean of all data: 0.00188 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a	tion of all data: X			
T Critical of all data: $Tcr = 2.8$				
Sample Date 01/30/2012	<u>Value</u> 0.0310	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nickel, dissolved, mg/L Location: MW5				
Mean of all data: 0.00115 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: T e of all data: Tn = 3.9			
Sample Date 04/21/2014	<u>Value</u> 0.00800	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nitrate nitrogen, dissolved Location: MW12 Mean of all data: 1.44 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	data: 0.604 entration of all data: $T_{n} = 2.6$			
Sample Date No Outliers	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Nitrate nitrogen, dissolved Location: MW22D Mean of all data: 0.112 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.0737 entration of all data: $T = 4.5$			
Sample Date 03/12/2018	<u>Value</u> 0.450	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	1/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nitrate nitrogen, dissolved, 1	mg/L			
Location: MW22S				
Mean of all data: 0.165 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.	ration of all data: T f all data: Tn = 4.7			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 1.22	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nitrate nitrogen, dissolved, 1 Location: MW23D	ng/L			
Mean of all data: 0.0879 Standard Deviation of all data Largest Observation Concentu Test Statistic, high extreme of T Critical of all data: Ter = 2.	ration of all data: I f all data: Tn = 0.5			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Nitrate nitrogen, dissolved, 1	ng/L			
Location: MW23S Mean of all data: 0.236 Standard Deviation of all data Largest Observation Concentu Test Statistic, high extreme of T Critical of all data: Ter = 2.	ration of all data: 2 f all data: Tn = 2.7			
Sample Date 09/23/2024	<u>Value</u> 0.712	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nitrate nitrogen, dissolved, Location: MW2D	, mg/L			
Mean of all data: 0.150 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: $\frac{1}{2}$ of all data: Tn = 3.7			
Sample Date 09/23/2024	<u>Value</u> 0.883	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nitrate nitrogen, dissolved, Location: MW2R	mg/L			
Mean of all data: 2.17 Standard Deviation of all da Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: 1 of all data: Tn = 4.1			
Sample Date 09/18/2017	<u>Value</u> 12.7	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nitrate nitrogen, dissolved, Location: MW3	mg/L			
Mean of all data: 1.20 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: $\frac{1}{2}$			
Sample Date 03/07/2016	<u>Value</u> 3.88	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/ Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Nitrate nitrogen, dissolved, m Location: MW3D	g/L			
Mean of all data: 0.630 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.89	ation of all data: Tail data: Tail data: Tn = 3.1			
Sample Date 10/28/2019	<u>Value</u> 2.56	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nitrate nitrogen, dissolved, m Location: MW4	g/L			
Mean of all data: 1.45 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.8	tion of all data: 2 all data: Tn = 3.4			
Sample Date 06/17/2019	<u>Value</u> 7.34	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Nitrate nitrogen, dissolved, m Location: MW5	g/L			
Mean of all data: 1.18 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.9	tion of all data: 2 all data: Tn = 3.2			
Sample Date 06/19/2017	<u>Value</u> 5.06	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/18 Confidence Level: 95% Transform: None pH (field), STD	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Location: MW12 Mean of all data: 6.96 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 3.10	on of all data: 2			
<u>Sample Date</u> 03/29/1999	<u>Value</u> 8.18	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
pH (field), STD Location: MW22D Mean of all data: 5.12 Standard Deviation of all data: 0 Largest Observation Concentration Test Statistic, high extreme of all T Critical of all data: Ter = 2.76 <u>Sample Date</u> 10/28/2019	on of all data: 2		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
pH (field), STD Location: MW22S Mean of all data: 3.90 Standard Deviation of all data: 0 Largest Observation Concentrati Test Statistic, high extreme of all T Critical of all data: Ter = 2.76 <u>Sample Date</u> 10/28/2019	on of all data: 2		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to 11/18/202 Confidence Level: 95% Transform: None pH (field), STD Location: MW23D Mean of all data: 7.19 Standard Deviation of all data: 0.64 Largest Observation Concentration of Test Statistic, high extreme of all data T Critical of all data: Tcr = 2.73	`all data: X			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Sample Date 08/08/2022	<u>Value</u> 4.83	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
pH (field), STD Location: MW23S Mean of all data: 6.87 Standard Deviation of all data: 0.62 Largest Observation Concentration of Test Statistic, high extreme of all data T Critical of all data: Tcr = 2.73 <u>Sample Date</u> 10/28/2019			Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
pH (field), STD Location: MW2D Mean of all data: 7.41 Standard Deviation of all data: 0.28 Largest Observation Concentration of Test Statistic, high extreme of all data T Critical of all data: Ter = 2.76 <u>Sample Date</u> 03/21/2022			Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None pH (field), STD	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Location: MW2R Mean of all data: 7.38 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme of T Critical of all data: Ter = 3	ntration of all data: 2 of all data: Tn = 5.4			
<u>Sample Date</u> 03/21/2022	<u>Value</u> 8.92	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
pH (field), STD Location: MW3 Mean of all data: 9.62 Standard Deviation of all da Largest Observation Concerr Test Statistic, high extreme of T Critical of all data: Ter = 3	ntration of all data: 2 of all data: Tn = 12.			
Sample Date 09/14/2010	<u>Value</u> 440.00	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
pH (field), STD Location: MW3D Mean of all data: 6.01 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme of T Critical of all data: Ter = 3	ntration of all data: 2 of all data: Tn = 2.6			
Sample Date No Outliers	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11/1 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
pH (field), STD Location: MW4				
Mean of all data: 9.07 Standard Deviation of all data: 2 Largest Observation Concentrati Test Statistic, high extreme of al T Critical of all data: Ter = 3.55	on of all data: X			
<u>Sample Date</u> 08/17/2010	<u>Value</u> 320.00	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
pH (field), STD Location: MW5				
Mean of all data: 7.76 Standard Deviation of all data: 1 Largest Observation Concentrati Test Statistic, high extreme of al T Critical of all data: Tcr = 3.56	on of all data: X			
<u>Sample Date</u> 08/17/2010	<u>Value</u> 150.00	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Selenium, dissolved, mg/L Location: MW12				
Mean of all data: 0.00237 Standard Deviation of all data: 0 Largest Observation Concentrati Test Statistic, high extreme of al T Critical of all data: Tcr = 2.88	on of all data: 2			
<u>Sample Date</u> 03/12/2018	<u>Value</u> 0.0112	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 11/ Confidence Level: 95% Transform: None	18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Selenium, dissolved, mg/L				
Location: MW22D				
Mean of all data: 0.0114 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.76	tion of all data: X Ill data: Tn = 2.6			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Selenium, dissolved, mg/L Location: MW22S				
Mean of all data: 0.0207 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Tcr = 2.70	tion of all data: X Ill data: Tn = 1.4			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Selenium, dissolved, mg/L Location: MW23D				
Mean of all data: 0.000655 Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of a T Critical of all data: Ter = 2.73	tion of all data: 2 Ill data: Tn = 5.2			
<u>Sample Date</u> 10/28/2019	<u>Value</u> <0.00500	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier
Selenium, dissolved, mg Location: MW238	g/L			
Mean of all data: 0.0006 Standard Deviation of al Largest Observation Cor Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000836 ncentration of all data: 1 me of all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> <0.00500	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Selenium, dissolved, mg Location: MW2D	2/L			
Mean of all data: 0.0006 Standard Deviation of al Largest Observation Cor Test Statistic, high extrem T Critical of all data: Ter	l data: 0.000610 ncentration of all data: me of all data: Tn = 3.6			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 0.00290	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Selenium, dissolved, mg Location: MW2R	g/L			
Mean of all data: 0.0052 Standard Deviation of al Largest Observation Cor Test Statistic, high extrem T Critical of all data: Ten	l data: 0.00313 ncentration of all data: 1 me of all data: Tn = 3.3			
Sample Date 11/02/2015	<u>Value</u> 0.0156	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Selenium, dissolved, mg/L Location: MW3				
Mean of all data: 0.0119 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: $T = 2.8$			
Sample Date 03/07/2016	<u>Value</u> 0.0365	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Selenium, dissolved, mg/L Location: MW3D				
Mean of all data: 0.00531 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: 1 of all data: Tn = 4.1			
<u>Sample Date</u> 09/01/2021	<u>Value</u> <0.0500	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Selenium, dissolved, mg/L Location: MW4				
Mean of all data: 0.00238 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr =	ntration of all data: 2 of all data: Tn = 3.7			
Sample Date 05/14/2018	<u>Value</u> 0.00970	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	o 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Selenium, dissolved, mg/L Location: MW5				
Mean of all data: 0.00198 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	entration of all data: $\frac{1}{2}$ of all data: Tn = 2.2			
			Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Silver, dissolved, mg/L Location: MW12 Mean of all data: 0.000220 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter = <u>Sample Date</u> 09/18/2017	lata: 0.000195 entration of all data: 1 e of all data: Tn = 5.2		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Silver, dissolved, mg/L Location: MW22D Mean of all data: 0.000323 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000404 entration of all data: 1 e of all data: Tn = 5.3			
<u>Sample Date</u> 08/03/2020	<u>Value</u> <0.00250	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/198 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier
Silver, dissolved, mg/I	_			
Location: MW22S				
-	all data: 0.0000449 oncentration of all data: T_{mem} eme of all data: $T_{m} = 5.3$			
			Outlier	Outlier
<u>Sample Date</u> 11/01/2021	<u>Value</u> <0.000500	<u>LT_Value</u> True	<u>Low Side</u>	<u>High Side</u> 1
Silver, dissolved, mg/I Location: MW23D				
-	all data: 0.0 oncentration of all data: T_{ment} eme of all data: $T_{m} = 0.0$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
No Outliers				
Silver, dissolved, mg/I				
e e	all data: 0.0 oncentration of all data: T eme of all data: $Tn = 0.0$			
Sample Date	Value	<u>LT_Value_</u>	Outlier Low Side	Outlier <u>High Side</u>
No Outliers				

Date Range: 01/17/1984 t Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Silver, dissolved, mg/L Location: MW2D				
Mean of all data: 0.000250 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter =	data: 0.0 entration of all data: e of all data: Tn = 0.0			
			Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>
Silver, dissolved, mg/L Location: MW2R Mean of all data: 0.000492 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter =	data: 0.00120 entration of all data: e of all data: Tn = 4.5			
Sample Date	Value	LT Value	Outlier Low Side	Outlier <u>High Side</u>
01/19/2015	0.00600	False	<u></u>	1
Silver, dissolved, mg/L Location: MW3 Mean of all data: 0.00027 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem	data: 0.000456 entration of all data: 1 e of all data: Tn = 3.3			
T Critical of all data: Tcr =	= 2.37			
Sample Date 01/19/2015	<u>Value</u> 0.00180	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	0 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Silver, dissolved, mg/L Location: MW3D				
Mean of all data: 0.000190 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000108 entration of all data: e of all data: Tn = 0.5			
Sample Date No Outliers	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Silver, dissolved, mg/L Location: MW4 Mean of all data: 0.000192 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000132 entration of all data: e of all data: $Tn = 3.1$			
Sample Date 06/19/2017	<u>Value</u> 0.000600	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Silver, dissolved, mg/L Location: MW5 Mean of all data: 0.000188 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	lata: 0.000122 entration of all data: e of all data: Tn = 2.5			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	1/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Specific Conductance @ 250 Location: MW12	C (field), microml	nos/cm		
Mean of all data: 810 Standard Deviation of all data Largest Observation Concent Test Statistic, high extreme o T Critical of all data: Tcr = 3	ration of all data:	Xn = 3090		
<u>Sample Date</u> 09/18/2017	<u>Value</u> 3090	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Specific Conductance @ 250 Location: MW22D Mean of all data: 1954 Standard Deviation of all data Largest Observation Concent Test Statistic, high extreme o T Critical of all data: Ter = 3	a: 634 ration of all data: 1			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 3	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Specific Conductance @ 250 Location: MW22S Mean of all data: 2871 Standard Deviation of all data Largest Observation Concent Test Statistic, high extreme o T Critical of all data: Tcr = 3	a: 918 ration of all data: 2			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 4	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Specific Conductance @ 25 Location: MW23D	5C (field), microml	ios/cm		
Mean of all data: 505 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme of T Critical of all data: Ter = 3	ntration of all data: 1 of all data	Xn = 2180		
<u>Sample Date</u> 10/28/2019	<u>Value</u> 2180	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Specific Conductance @ 25 Location: MW23S Mean of all data: 453 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme of T Critical of all data: Ter = 3	ta: 461 htration of all data: f of all data: Tn = 5			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 2800	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Specific Conductance @ 25 Location: MW2D Mean of all data: 517 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme of T Critical of all data: Tcr = 3	ta: 121 htration of all data: 1 of all data: Tn = 4			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 957	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

Date Range: 01/17/1984 to 11/18/2 Confidence Level: 95%	2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Transform: None				
Specific Conductance @ 25C (fiel Location: MW2R	d), microm	hos/cm		
Mean of all data: 853 Standard Deviation of all data: 135 Largest Observation Concentration Test Statistic, high extreme of all data: Tcr = 3	of all data:	Xn = 1210		
Sampla Data	Value	LT Value	Outlier Low Side	Outlier <u>High Side</u>
Sample Date No Outliers	value		Low Side	nigirsiae
Specific Conductance @ 25C (fiel Location: MW3 Mean of all data: 2262 Standard Deviation of all data: 851 Largest Observation Concentration Test Statistic, high extreme of all data	of all data:			
T Critical of all data: Tcr = 3 <u>Sample Date</u> <i>No Outliers</i>	<u>Value</u>	LT_Value	Outlier Low Side	Outlier <u>High Side</u>
Specific Conductance @ 25C (fiel Location: MW3D	d), microm	hos/cm		
Mean of all data: 2140 Standard Deviation of all data: 814 Largest Observation Concentration Test Statistic, high extreme of all data T Critical of all data: Tcr = 3	of all data:	Xn = 3230		
Sample Date	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
No Outliers				

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Specific Conductance @ 25 Location: MW4	C (field), microml	nos/cm		
Mean of all data: 684 Standard Deviation of all dat Largest Observation Concent Test Statistic, high extreme of T Critical of all data: Ter = 3	tration of all data: T of all data: Tn = 4	Xn = 1570		
<u>Sample Date</u> 12/09/1987	<u>Value</u> 1570	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Specific Conductance @ 25 Location: MW5 Mean of all data: 431 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Tcr = 3	ta: 153 tration of all data: $\frac{1}{2}$ of all data: Tn = 3			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Sulfate, dissolved, mg/L Location: MW12 Mean of all data: 88.9 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: $\frac{1}{2}$ of all data: Tn = 5.2			
Sample Date $05/14/2018$	<u>Value</u> 475.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Sulfate, dissolved, mg/L				
Location: MW22D Mean of all data: 1630. Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: 1000 f all data: 1000 f all data: Tn = 2.9			
Sample Date 09/23/2024	<u>Value</u> 3840.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Sulfate, dissolved, mg/L Location: MW22S				
Mean of all data: 2620. Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: T of all data: Tn = 1.8			
Sample Date No Outliers	Value	<u>LT_Value</u>	Outlier Low Side	Outlier <u>High Side</u>
Sulfate, dissolved, mg/L Location: MW23D				
Mean of all data: 70.2 Standard Deviation of all dat Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: T of all data: Tn = 5.2			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 1320.	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to 11 Confidence Level: 95% Transform: None	1/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Sulfate, dissolved, mg/L Location: MW23S				
Mean of all data: 83.6 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Tcr = 2.7	ation of all data: T all data: Tn = 5.2			
Sample Date 10/28/2019	<u>Value</u> 2060.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Sulfate, dissolved, mg/L Location: MW2D				
Mean of all data: 26.8 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: T all data: Tn = 4.7			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 352.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Sulfate, dissolved, mg/L Location: MW2R				
Mean of all data: 199. Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Tcr = 3.0	ation of all data: 2 all data: Tn = 3.2			
Sample Date 06/24/2024	<u>Value</u> 452.	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Sulfate, dissolved, mg/L				
Location: MW3 Mean of all data: 951. Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme o T Critical of all data: Ter = 3	tration of all data: 1 of all data: Tn = 2.1			
	** 1		Outlier	Outlier
Sample Date No Outliers	Value	LT_Value	Low Side	<u>High Side</u>
Sulfate, dissolved, mg/L Location: MW3D Mean of all data: 1950. Standard Deviation of all dat		V 1270		
Largest Observation Concern Test Statistic, high extreme o T Critical of all data: Ter = 2	of all data: $Tn = 2.9$			
			Outlier	Outlier
Sample Date 09/23/2024	<u>Value</u> 4370.	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1
Sulfate, dissolved, mg/L Location: MW4				
Mean of all data: 53.8 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme o T Critical of all data: Ter = 3	tration of all data: 1 of all data: Tn = 4.9			
<u>Sample Date</u> 06/11/2012	<u>Value</u> 288.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Sulfate, dissolved, mg/L Location: MW5				
Mean of all data: 44.1 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Ter = 3	tration of all data: f all data: Tn = 3.9			
<u>Sample Date</u> 02/22/2011	<u>Value</u> 180.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Thallium, dissolved, mg/L Location: MW12				
Mean of all data: 0.000274 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Ter = 2	tration of all data: 1 of all data: Tn = 5.4			
Sample Date 08/26/2019	<u>Value</u> <0.00250	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Thallium, dissolved, mg/L Location: MW22D				
Mean of all data: 0.000250 Standard Deviation of all dat Largest Observation Concern Test Statistic, high extreme of T Critical of all data: Ter = 0	tration of all data: f all data: $Tn = 0.0$			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier
Thallium, dissolved, mg	g/L			
Location: MW22S				
Mean of all data: 0.0003 Standard Deviation of al Largest Observation Con Test Statistic, high extre T Critical of all data: Ter	ll data: 0.000406 ncentration of all data: 2 me of all data: Tn = 5.3			
			Outlier	Outlier
Sample Date 08/26/2019	<u>Value</u> <0.00250	<u>LT_Value</u> True	<u>Low Side</u>	High Side 1
Thallium, dissolved, mg Location: MW23D Mean of all data: 0.0002	-			
Standard Deviation of al Largest Observation Con Test Statistic, high extre T Critical of all data: Test	Il data: 0.0 ncentration of all data: T me of all data: $Tn = 0.0$			
			Outlier	Outlier
Sample Date No Outliers	Value	LT_Value_	Low Side	High Side
Thallium, dissolved, mg	g/L			
Location: MW23S Mean of all data: 0.0003 Standard Deviation of al Largest Observation Con Test Statistic, high extre T Critical of all data: Tex	ll data: 0.000418 ncentration of all data: 2 me of all data: Tn = 5.2			
Sample Date 08/26/2019	<u>Value</u> <0.00250	<u>LT_Value</u> True	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Thallium, dissolved, mg/L Location: MW2D				
Mean of all data: 0.000250 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr = 0	ntration of all data: f of all data: Tn = 0.0			
			Outlier	Outlier
Sample Date	Value	LT_Value_	Low Side	<u>High Side</u>
No Outliers				
Thallium, dissolved, mg/L Location: MW2R Mean of all data: 0.000257 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr = 1	ata: 0.000305 ntration of all data: 1 of all data: Tn = 5.7			
Sample Date	Value	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
04/21/2014	0.00200	False		1
Thallium, dissolved, mg/L Location: MW3 Mean of all data: 0.000300 Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Tcr = 2	ata: 0.000359 ntration of all data: 7 of all data: Tn = 2.5			
<u>Sample Date</u> 03/07/2016	<u>Value</u> 0.00120	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Thallium, dissolved, mg/L Location: MW3D				
Mean of all data: 0.000245 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2	tration of all data: of all data: $Tn = 4.5$			
<u>Sample Date</u> 09/26/2016	<u>Value</u> 0.00130	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Thallium, dissolved, mg/L Location: MW4 Mean of all data: 0.000199 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2 <u>Sample Date</u> 09/26/2016	tration of all data: $\frac{1}{2}$ of all data: Tn = 3.1		Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Thallium, dissolved, mg/L Location: MW5 Mean of all data: 0.000182 Standard Deviation of all da Largest Observation Concen Test Statistic, high extreme of T Critical of all data: Tcr = 2 Sample Date No Outliers	tration of all data: f of all data: $Tn = 0.6$		Outlier Low Side	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 to 11, Confidence Level: 95% Transform: None	/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Total Dissolved Solids, mg/L Location: MW12				
Mean of all data: 519. Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 3.0	ation of all data: 1			
Sample Date 05/14/2018	<u>Value</u> 933.	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1
Total Dissolved Solids, mg/L Location: MW22D				
Mean of all data: 2190. Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ation of all data: 1 all data: Tn = 2.1			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 126.	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>
Total Dissolved Solids, mg/L Location: MW22S				
Mean of all data: 3560. Standard Deviation of all data: Largest Observation Concentra Test Statistic, high extreme of T Critical of all data: Tcr = 2.7	ation of all data: 1 all data: Tn = 1.7			
Sample Date 10/28/2019	<u>Value</u> 164.	<u>LT_Value</u> False	Outlier <u>Low Side</u> -1	Outlier <u>High Side</u>

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Total Dissolved Solids, mg/ Location: MW23D	/L			
Mean of all data: 315. Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ntration of all data: 1 of all data: Tn = 5.1			
Sample Date 10/28/2019	<u>Value</u> 1790.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Total Dissolved Solids, mg/ Location: MW23S Mean of all data: 349. Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ata: 503. ntration of all data: 1 of all data: Tn = 4.8			
<u>Sample Date</u> 10/28/2019	<u>Value</u> 2800.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Total Dissolved Solids, mg/ Location: MW2D Mean of all data: 267. Standard Deviation of all da Largest Observation Concer Test Statistic, high extreme T Critical of all data: Ter = 2	ata: 150. ntration of all data: 2 of all data: Tn = 3.4			
<u>Sample Date</u> 11/11/2024	<u>Value</u> 790.	<u>LT_Value</u> False	Outlier Low Side	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to 11/1 Confidence Level: 95% Transform: None	8/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Total Dissolved Solids, mg/L				
Location: MW2R				
Mean of all data: 549. Standard Deviation of all data: 1 Largest Observation Concentrati Test Statistic, high extreme of al T Critical of all data: Tcr = 3.08	ion of all data: 2			
			Outlier	Outlier
<u>Sample Date</u> 01/20/2014	<u>Value</u> 10.0	<u>LT_Value</u> False	Low Side -1	High Side
Total Dissolved Solids, mg/L Location: MW3				
Mean of all data: 2350. Standard Deviation of all data: 6 Largest Observation Concentrati Test Statistic, high extreme of al T Critical of all data: Ter = 3.54	ion of all data:			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
No Outliers				
Total Dissolved Solids, mg/L				
Location: MW3D				
Mean of all data: 2610. Standard Deviation of all data: 4 Largest Observation Concentrati Test Statistic, high extreme of al T Critical of all data: Tcr = 3.09	ion of all data:			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	<u>High Side</u>
04/26/2021	1180.	False	-1	

User Supplied Information

Date Range: 01/17/1984 to Confidence Level: 95% Transform: None	9 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Total Dissolved Solids, mg Location: MW4	/L			
Mean of all data: 457. Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	intration of all data: 1 of all data			
<u>Sample Date</u> 12/09/1987	<u>Value</u> 1780.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Total Dissolved Solids, mg Location: MW5	/L			
Mean of all data: 314. Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Ter =	intration of all data: $\frac{1}{2}$ of all data: Tn = 3.8			
Sample Date 12/11/2014	<u>Value</u> 1010.	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Vanadium, dissolved, mg/l Location: MW12	L			
Mean of all data: 0.00121 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	intration of all data: $1 \text{ of all data: } Tn = 5.2$			
<u>Sample Date</u> 09/14/2015	<u>Value</u> 0.00850	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to 1 Confidence Level: 95% Transform: None	1/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Vanadium, dissolved, mg/L Location: MW22D				
Mean of all data: 0.00103 Standard Deviation of all data Largest Observation Concentu Test Statistic, high extreme of T Critical of all data: Ter = 2.	ration of all data: 1 f all data: Tn = 5.3			
Sample Date 06/19/2017	<u>Value</u> 0.00200	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Vanadium, dissolved, mg/L Location: MW22S Mean of all data: 0.00200 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.	ration of all data: 1 f all data: Tn = 3.0		Outlier	Outlier
Sample Date 06/20/2022	<u>Value</u> <0.00500	<u>LT_Value</u> True	Low Side	High Side 1
Vanadium, dissolved, mg/L Location: MW23D Mean of all data: 0.00100				
Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 0.	ration of all data: f all data: Tn = 0.0			
Sample Date No Outliers	<u>Value</u>	LT_Value	Outlier <u>Low Side</u>	Outlier <u>High Side</u>

Date Range: 01/17/1984 to 11/18/ Confidence Level: 95% Transform: None	/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Vanadium, dissolved, mg/L				
Location: MW23S				
Mean of all data: 0.00100 Standard Deviation of all data: 0.0 Largest Observation Concentratio Test Statistic, high extreme of all o T Critical of all data: Tcr = 0.0	n of all data:			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
No Outliers				
Vanadium, dissolved, mg/L Location: MW2D				
Mean of all data: 0.00100 Standard Deviation of all data: 0.0 Largest Observation Concentratio Test Statistic, high extreme of all o T Critical of all data: Ter = 0.0	n of all data:			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
No Outliers				
Vanadium, dissolved, mg/L Location: MW2R				
Mean of all data: 0.000939 Standard Deviation of all data: 0.0 Largest Observation Concentratio Test Statistic, high extreme of all of T Critical of all data: Ter = 2.79	n of all data:			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
09/14/2015	<0.0	True	-1	

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Vanadium, dissolved, m	g/L			
Location: MW3 Mean of all data: 0.0017 Standard Deviation of all Largest Observation Con Test Statistic, high extrem T Critical of all data: Ter	data: 0.00217 centration of all data: T ne of all data: Tn = 2.6			
<u>Sample Date</u> 03/07/2016	<u>Value</u> 0.00750	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Vanadium, dissolved, m Location: MW3D Mean of all data: 0.00084 Standard Deviation of all Largest Observation Com Test Statistic, high extrer T Critical of all data: Ter	42 data: 0.000370 centration of all data: 1 ne of all data: Tn = 0.4			
Sample Date No Outliers	Value	LT_Value_	Outlier <u>Low Side</u>	Outlier <u>High Side</u>
Vanadium, dissolved, m Location: MW4 Mean of all data: 0.00100 Standard Deviation of all Largest Observation Con Test Statistic, high extrer T Critical of all data: Ter	5 data: 0.000947 centration of all data: 1 ne of all data: Tn = 5.1			
Sample Date 03/07/2016	<u>Value</u> 0.00590	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

User Supplied Information

Date Range: 01/17/1984 to	0 11/18/2024			LT Multiplier: x 0.50
Confidence Level: 95%	11/10/2024			Number of Outliers: One Outlier
Transform: None				
Vanadium, dissolved, mg/	L			
Location: MW5				
Mean of all data: 0.000955 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	ata: 0.000654 entration of all data: $Tn = 5.1$			
			Outlier	Outlier
Sample Date 03/07/2016	<u>Value</u> 0.00430	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1
05/07/2010	0.00+30	Taise		1
Zinc, dissolved, mg/L				
Location: MW12				
Mean of all data: 0.00510 Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	entration of all data: $Tn = 3.6$			
Samula Data	X-h-		Outlier	Outlier Uich Sich
Sample Date 03/07/2016	<u>Value</u> 0.0170	<u>LT_Value</u> False	Low Side	<u>High Side</u> 1
Zinc, dissolved, mg/L Location: MW22D				
Mean of all data: 0.223				
Standard Deviation of all d Largest Observation Conce Test Statistic, high extreme T Critical of all data: Tcr =	entration of all data: $1 \text{ of all data: } Tn = 2.4$			
	×7.1		Outlier	Outlier
Sample Date No Outliers	Value	<u>LT_Value</u>	Low Side	<u>High Side</u>

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Zinc, dissolved, mg/L Location: MW22S				
Mean of all data: 0.677 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Tcr	centration of all data: $Tn = 2.5$			
			Outlier	Outlier
Sample Date	Value	LT_Value_	Low Side	<u>High Side</u>
No Outliers				
Zinc, dissolved, mg/L Location: MW23D				
Mean of all data: 0.0114 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	centration of all data: $Tn = 5.2$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
10/28/2019	0.190	False		1
Zinc, dissolved, mg/L Location: MW23S				
Mean of all data: 0.0255 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	centration of all data: $Tn = 5.2$			
			Outlier	Outlier
Sample Date	Value	LT_Value	Low Side	High Side
10/28/2019	0.600	False		1

User Supplied Information

Date Range: 01/17/1984 to 11/18/2024 Confidence Level: 95% Transform: None				LT Multiplier: x 0.50 Number of Outliers: One Outlier	
Zinc, dissolved, mg/L Location: MW2D					
Mean of all data: 0.00516 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.7	ration of all data: f all data: Tn = 5.3				
<u>Sample Date</u> 10/26/2020	<u>Value</u> 0.0100	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1	
Zinc, dissolved, mg/L Location: MW2R Mean of all data: 0.00670 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.8	ration of all data: f all data: Tn = 3.5				
Sample Date 04/21/2014	<u>Value</u> 0.0280	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1	
Zinc, dissolved, mg/L Location: MW3					
Mean of all data: 0.0704 Standard Deviation of all data Largest Observation Concentr Test Statistic, high extreme of T Critical of all data: Ter = 2.3	ration of all data: f all data: Tn = 2.0				
Sample Date No Outliers	Value	<u>LT_Value</u>	Outlier <u>Low Side</u>	Outlier <u>High Side</u>	

Based on Grubbs one-sided outlier test

User Supplied Information

Date Range: 01/17/1984 Confidence Level: 95% Transform: None	to 11/18/2024			LT Multiplier: x 0.50 Number of Outliers: One Outlier
Zinc, dissolved, mg/L Location: MW3D				
Mean of all data: 0.0265 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	centration of all data: The of all data: The fall data: $Tn = 3.2$			
Sample Date 03/12/2018	<u>Value</u> 0.0900	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Zinc, dissolved, mg/L Location: MW4 Mean of all data: 0.00576				
Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	centration of all data: the of all data: $Tn = 5.2$			
<u>Sample Date</u> 04/21/2014	<u>Value</u> 0.0390	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1
Zinc, dissolved, mg/L Location: MW5				
Mean of all data: 0.00565 Standard Deviation of all Largest Observation Conc Test Statistic, high extrem T Critical of all data: Ter	data: 0.00535 centration of all data: The of all data: The state of all data: The state			
Sample Date 04/21/2014	<u>Value</u> 0.0330	<u>LT_Value</u> False	Outlier <u>Low Side</u>	Outlier <u>High Side</u> 1

Based on Grubbs one-sided outlier test

APPENDIX C3 SEN SLOPE AND MANN-KENDALL TEST RESULTS – SHORT TERM

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.284 0.175	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.181 166 0.827	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.11 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00175 0.367	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00241 000276 0.00473	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.36 1.64 None

User Supplied Information

Location ID: Location Class:	MW12	Parameter Code: Parameter:	00720 Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0119 0.298	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00668 0282 00110	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-1.86 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00973 0.0511	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	00989 0455 0.0346	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		371 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/.	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01005
Location Class:		Parameter:	Barium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000529 0.453	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000461 0000128 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-1.67 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Confidence Level: 95.00% Date Range: 01/01/2023 to 12/31/2024	Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01020 Boron, dissolve mg/L
Date Range: 01/01/2023 to 12/31/2024	Confidence Level:	95.00%		0
	Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000559 0.416	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000434 0.0 0.000102	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.71 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		
Date Kange: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Type:	Units:	Cobalt, dissolved mg/L
Confidence Level: 95.00%		0
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 2	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000208 0.0732	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.436 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter:	Iron, dissolved
	Units:	mg/L
Confidence Level: 95.00%	emits.	ing/ E
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01049 Lead, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to 12/31/	95.00% 2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000997 0.499	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000875 0.0000485 0.00189	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.86 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to	95.00% 12/31/2024	cindi	ing E
Date Range. 01/01/2025 to	12/51/2027		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
	8
	Parameter:

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000190 0.446	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000218 000000378 0.00000430	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.61 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023	to 12/31/2024		
Date Range: 01/01/2023	to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01090 Zinc, dissolved mg/L
Confidence Level:	95.00%	Units.	ilig/L
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		
Ū.			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01145
Location Class:		Parameter:	Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000711 0.0475	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000144 00000441 0.00000193	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0852 0.00510	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0235 -1.47 0.818	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW22D	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
Date Range. 01/01/2025 to	12/51/2027		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	00720 Cyanide, total mg/L
Confidence Level:	95.00%	Cintsi	ing/L
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00207 0.194	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000130 00447 0.00194	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.126 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	787 0.0278	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	-1.13 -4.75 2.21	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000465 0.299	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000433 000227 0.00103	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.25 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000417 0.676	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000302 0.00000151 0.00000662	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.86 1.64 Upward

User Supplied Information

MW22D	Parameter Code:	01005
	Parameter:	Barium, dissolved
	Units:	mg/L
95.00%		
12/31/2024		
		Parameter: Units: 95.00%

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000753 0.658	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000738 0000128 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	I	-1.77 1.64 Downward

User Supplied Information

Location ID:	MW22D	Parameter Code:	01010
Location Class:		Parameter:	Beryllium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000154 0.0223	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.00000130 00000883 0.00000624	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.499 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000579 0.209	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000309 00158 0.00103	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.36 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000158 0.541	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000144 0.000000720 0.00000341	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.49 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000122 0.00908	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000446 000112 0.000150	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.499 1.64 None

User Supplied Information

Confidence Level: 95.00%	Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
D-4- D	• •	95.00%		8
Date Kange: 01/01/2025 to 12/51/2024	Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000822 0.744	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000818 0.00000252 0.0000116	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.86 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	01046 Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0233 0.0815	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0479 0942 0.0273	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		866 1.64 None

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	01049 Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000306 0.124	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000338 00000553 0.0000118	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.642 1.64 None

User Supplied Information

	Parameter:	Manganese, dissolved
	Units:	mg/L
%		
)	۱%	Units:

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00359 0.139	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00123 0112 0.00679	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to	95.00% 12/31/2024	Cinsi	ing E
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		
Ū.			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000406 0.387	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000403 00000112 0.0000899	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.61 1.64 None

User Supplied Information

Location Type:	Parameter: Units:	Silver, dissolved mg/L
Confidence Level: 95.00%		0
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	01090 Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000542 0.0109	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000658 000168 0.000239	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.997 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		C C
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		
2			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000572 0.528	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000385 0.0 0.0000947	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.55 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW228	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	405 0.0114	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	482 -5.39 3.13	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		619 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00122 0.502	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000823 0.0 0.00208	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.86 1.64 Upward

User Supplied Information

Location ID:	MW22S	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000171 0.0123	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00530 0.322	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00668 000124 0.0181	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.61 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 01/01/2023 to	95.00% 12/31/2024	cints.	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.138 0.00136	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.577 -2.93 2.36	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.371 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000112 0.00929	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000405 000651 0.00215	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.499 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000642 0.316	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000637 00000316 0.0000154	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.61 1.64 None

User Supplied Information

Location ID: MW22S Location Class: Location Type:	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level: 95.00%		-
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000816 0.281	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.31 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000424 0.0641	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000122 00000731 0.0000240	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.748 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter: Units:	Boron, dissolved mg/L
Confidence Level: 95.00%		8
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000349 0.0477	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000173 000399 0.00294	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000585 0.203	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000482 00000188 0.0000177	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.997 1.64 None

User Supplied Information

Location ID:	MW228	Parameter Code:	01030
Location Class:		Parameter:	Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 01/01/2023 to 12	95.00% /31/2024		-

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000816 0.165	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000446 000000732 0.00000223	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.880 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to	95.00% 12/31/2024	Units.	ing/L
Date Kange: 01/01/2023 to	0 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000117 0.00798	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000363 000154 0.000116	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000730 0.824	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000695 0.0000146 0.000107	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.85 1.64 Upward

User Supplied Information

Location ID:	MW228	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	412 0.332	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	484 835 0.190	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.36 1.64 None

User Supplied Information

Location ID: Location Class:	MW22S	Parameter Code: Parameter:	01049 Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000442 0.485	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000209 0.0 0.00000682	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.86 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0150 0.321	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0135 0503 00220	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-1.99 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000171 0.197	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.873 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW228	Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000795 0.110	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000571 0000781 0.000302	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.499 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW228	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	01085
Location Class:		Parameter:	Vanadium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000228 0.348	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000165 00000494 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.22 1.64 None

User Supplied Information

Location ID: Location Class:	MW22S	Parameter Code: Parameter:	01090 Zinc, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 01/01/2023 to			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000461 0.216	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000484 000306 0.00136	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Parameter:	Selenium, dissolved
Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000387 0.232	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0000526 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		986 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000683 0.197	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.873 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	00515
Location Class:		Parameter:	Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level: Date Range: 01/01/2023 to 12/3	95.00% 31/2024	Units.	ing/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0851 0.327	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.115 0319 0.194	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.36 1.64 None

User Supplied Information

ocation ID:	MW23D	Parameter Code:	00618
ocation Class:		Parameter:	Nitrate nitrogen, dissolved
ocation Type:		Units:	mg/L
onfidence Level:	95.00%		
ate Range: 01/01/2023 to 12/31/202	24		
ate Range: 01/01/2023 to 12/31/202	24		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Type: Units: mg/L Confidence Level: 95.00% Date Range: 01/01/2023 to 12/31/2024	Location ID: Location Class:	MW23D	Parameter Code: Parameter:	00720 Cyanide, total
	Location Type:		Units:	mg/L
Date Range: 01/01/2023 to 12/31/2024	Confidence Level:	95.00%		
	Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000468 0.154	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000493 000463 0.00176	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.899 1.64 None

User Supplied Information

tion Type:	mg/L	
fidence Level:	mg/L	
e Range: 01/01/2023 to 12/3		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00357 0.263	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.00291 00134 0.0104	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.25 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Class:		Parameter:	A
		1 al ameter .	Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/3	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000741 0.00490	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000150 0.000000946	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01005
Location Class:		Parameter:	Barium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000933 0.0326	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000537 0.00000278	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		131 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000224 0.311	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0000402	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.17 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level: 95.00% Date Range: 01/01/2023 to 12/31/2024	Cincs.	ing D

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	0 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000870 0.0391	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000667 000484 0.000395	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		385 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01049 Lead, dissolved mg/L
Confidence Level:	95.00%	Units.	ing/L
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

s: mg/L	

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000348 0.0756	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000156 0000481 0.000139	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.371 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00% 2/31/2024		g
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01065 Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
-			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000627 0.239	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000271 00000149 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.07 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01075 Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01090 Zinc, dissolved mg/L
Confidence Level:	95.00%	Units.	ing/L
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/3	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0846 0.215	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0922 114 0.383	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.11 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level:	95.00%		C C
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000974 0.733	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000769 0.0 0.00131	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.26 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW23S	Parameter Code: Parameter:	00720 Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00220 0.0489	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00160 00557 0.00298	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.748 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		mg 2
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000883 0.115	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00123 00299 0.00160	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000513 0.306	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000603 00000126 0.0000136	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.27 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01010
Location Class:		Parameter:	Beryllium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 01/01/2023 to 1	95.00% 2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000502 0.253	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000642 0000293 0.000192	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.13 1.64 None

User Supplied Information

Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		
2			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter: Units:	Copper, dissolved mg/L
Confidence Level: 95.00%		
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW23S	Parameter Code: Parameter:	01046 Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW23S	Parameter Code: Parameter:	01049 Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW238	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000554 0.0116	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000315 0000455 0.0000801	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000851 0.115	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000000794 000000881 0.00000249	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.385 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Confidence Level:	95.00%		U
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01090 Zinc, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to 12/31/	95.00% 2024		
8			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Type: Units: Confidence Level: 95.00%	ter Code: ter:	01145 Selenium, dissolved mg/L
Data Dangas 01/01/2022 to 12/21/2024		
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		
8			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.661 0.623	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.516 0.0376 1.03	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.86 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00125 0.713	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00108 0.0 0.00180	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.15 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	00720 Cvanide, total
Location Class:		rarameter:	Cyanide, totai
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000341 0.0123	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00322 0.0690	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00272 0139 0.00878	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.124 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.406 0.573	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.246 0.00503 0.627	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.74 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000137 0.314	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000334 000289 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.22 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01000 Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000968 0.730	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000982 0000125 00000436	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.24 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000250 0.586	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000154 0.0000447 0.000412	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.10 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01020 Boron, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 01/01/2023 to 1			
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00122 0.729	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00119 0.0 0.00184	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.44 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/3	51/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000352 0.000153	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000145 00176 0.00193	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01049 Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to 12/3	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000845 0.699	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000863 0.0000254 0.000136	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.10 1.64 Upward

User Supplied Information

Location ID: MW2D	Parameter Code:	01057
Location Class:	Parameter:	Thallium, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 01/01/2023 to 12/31/2024	Units.	ing/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000536 0.0888	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 000000822 0.00000170	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 01/01/2023 to 12	95.00% 2/31/2024	Units.	ing/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to	95.00% 12/31/2024		
Date Kange: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01090 Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000266 0.412	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.00000457	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.64 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.187 0.0651	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.398 448 0.742	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level:	95.00%		Ū.
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00125 0.00858	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	00139 00642 0.00941	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.11 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00720 Cyanide, total mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00907 0.200	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0141 0211 0.00422	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.36 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.118 0.0401	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.270 260 0.585	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.866 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000967 0.000643	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000447 0000359 0.0000371	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.249 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00109 0.473	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00112 00236 0.000250	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.36 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter: Units:	Chromium, dissolved mg/L
Confidence Level: 95.00%		
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000478 0.197	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		873 1.64 None

User Supplied Information

Jnits:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Type:	Units:	mg/L
Confidence Level: 95.00%		0
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
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Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	01057 Thallium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	/31/2024		
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Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to 2	95.00% 12/31/2024	cindi	ing E
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000143 0.0153	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 000000879 0.00000122	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Parameter: Units:	Silver, dissolved mg/L
Cintsi	iiig, L
	Units:

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	01090 Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000101 0.641	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000934 0000189 00000262	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-1.99 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
Dute Runge. 01/01/2020 to	12/01/2021		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.141 0.0200	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.250 569 2.37	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.371 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00100 0.289	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00116 00301 0.000481	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.25 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00720 Cyanide, total mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00526 0.247	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00571 00180 0.0208	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.36 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 7	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.332 0.00707	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	893 -3.11 1.74	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		124 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/3	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00104 0.314	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000481 00209 0.000315	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.13 1.64 None

User Supplied Information

Lander Class			
Location Class:		Parameter:	Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000235 0.227	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000162 00000531 0.00000107	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		642 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000493 0.0131	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000231 0.00000554	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.536 1.64 None

User Supplied Information

	mg/L
Confidence Level: 95.00%	
Date Range: 01/01/2023 to 12/31/2024	

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00221 0.653	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00218 0.000946 0.00380	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.24 1.64 Upward

User Supplied Information

Location ID:	MW3D	Parameter Code:	01025
Location Class:		Parameter:	Cadmium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000595 0.234	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000236 0000136 0.00000346	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		619 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000118 0.103	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0000602 000434 0.000181	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.124 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01040
Location Class:		Parameter:	Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000174 0.278	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000333 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		986 1.64 None

User Supplied Information

Location ID: Location Class:	MW3D	Parameter Code: Parameter: Units:	01046 Iron, dissolved mg/L
Location Type: Confidence Level: Date Range: 01/01/2023 to 2	95.00% 12/31/2024	Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0182 0.910	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0178 0244 0124	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-3.09 1.64 Downward

User Supplied Information

Location Class. Farameter. Ecad, disso Location Type: Units: mg/L Confidence Level: 95.00% Date Range: 01/01/2023 to 12/31/2024	Location ID: Location Class:	MW3D	Parameter Code: Parameter:	01049 Lead, dissolved
Confidence Level: 95.00%				,
	~ 1	07.000/	Units:	mg/L
Date Range: 01/01/2023 to 12/31/2024				
	Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Parameter: Units:	Manganese, dissolved mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00621 0.249	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00553 0199 0.00151	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.36 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW3D	Parameter Code: Parameter:	01065 Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000144 0.188	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000903 000427 0.000113	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		619 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Confidence Level: 95.00% Date Range: 01/01/2023 to 12/31/2024	e mar	ing, L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW3D	Parameter Code: Parameter:	01090 Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		8/
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000226 0.0700	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0000939 0.0000486	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01145
Location Class:		Parameter:	Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000130 0.208	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0000245 0.00000899	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		128 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
Date Range. 01/01/2025 to	12/51/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	00515 Total Dissolved Solids mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0259 0.0134	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0599 210 0.220	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.619 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	00618 Nitrate nitrogen, dissolved mg/L
Confidence Level: Date Range: 01/01/2023 to 1	95.00% 2/31/2024	cindi	ing 2

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00229 0.387	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00195 00528 000116	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.61 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	00720 Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00291 0.0350	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0215 0.00461	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0102 0.0377	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	00190 0607 0.0716	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000472 0.0260	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000672 0000255 0.0000560	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.499 1.64 None

User Supplied Information

Location ID: MW: Location Class: Location Type:	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level: 95.00		8
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Confidence Level: 95.00%	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000437 0.202	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000596 0000240 0.000177	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.899 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	01025 Cadmium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
8			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	01030 Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 12/31	/2024		
C C			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000898 0.383	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000722 0.0 0.00000191	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.85 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01049 Lead, dissolved mg/L
Confidence Level:	95.00%	Units,	mg/L
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000323 0.000829	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000457 0.00000618	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.133 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 01/01/2023 to 1	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000412 0.162	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000369 000000518 0.00000130	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.01 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 01/01/2023 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 01/01/2023 to	12/31/2024		
8			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 01/01/2023 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

MW5	Parameter Code:	01145
	Parameter:	Selenium, dissolved
	Units:	mg/L
95.00%		
12/31/2024		
	95.00%	Parameter: Units: 95.00%

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000212 0.432	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000224 00000418 0.000000446	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.61 1.64 None

User Supplied Information

Location Class: Location Type:	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level: 95.00%		8
Date Range: 01/01/2023 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

APPENDIX C4 SEN SLOPE AND MANN-KENDALL TEST RESULTS – LONG TERM

User Supplied Information

Location ID:	MW12	Parameter Code:	00515
Location Class:		Parameter:	Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0829 0.231	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0766 114 0406	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-3.11 1.64 Downward

User Supplied Information

Location ID: Location Class:	MW12	Parameter Code: Parameter:	00618 Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000953 0.0153	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000946 000150 0.000335	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.568 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000172 0.0103	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.16 1.64 None

User Supplied Information

Location ID: Location Class:	MW12	Parameter Code: Parameter:	00941 Chloride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%	Units.	ing/L
Date Range: 03/01/2017 to	12/31/2024		
Date Range: 05/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000555 0.0166	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00133 00223 000457	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.24 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0506 0.276	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0312 0422 0205	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-5.08 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000180 0.122	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.94 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01000
Location Class:		Parameter:	Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000216 0.0889	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.62 1.64 None

User Supplied Information

Location ID: Location Class:	MW12	Parameter Code: Parameter:	01005 Barium, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to 12/31/			
Date Kange: 05/01/2017 to 12/51/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000298 0.470	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000262 00000374 00000154	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-4.15 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW12 95.00%	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000161 0.0195	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		740 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01020
Location Class:		Parameter:	Boron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000490 0.348	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000345 0000585 0000207	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-4.38 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L	
Confidence Level:	95.00%			
Date Range: 03/01/2017 to 12/31/2024				

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000533 0.0665	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.41 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level: Data Dance: 02/01/2017 to 12/21	MW12 95.00%	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000112 0.00310	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		272 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type: Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 2024	Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 mg/L 0.0	per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 mg/L	per period per period per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 64 ne

User Supplied Information

Location ID:	MW12	Parameter Code:	01040
Location Class:		Parameter:	Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000277 0.0719	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.41 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000504 0.00324	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		622 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000412 0.0420	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.40 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000652 0.0216	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000000952 0000567 0.0000398	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0162 1.64 None

User Supplied Information

Date Range: 03/01/2017 to 12/31/2024	Location ID: Location Class: Location Type: Confidence Level: Date Range: 03/01/2017 to	MW12 95.00% 12/31/2024	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
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Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000103 0.0420	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.40 1.64 None

User Supplied Information

Location ID: Location Class:	MW12	Parameter Code: Parameter:	01065 Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000101 0.190	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000299 000000649 0000000582	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.02 1.64 Downward

User Supplied Information

Location ID:	MW12	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000533 0.0665	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.41 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW12	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000242 0.0195	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		711 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW12 95.00%	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000426 0.0665	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.41 1.64 None

User Supplied Information

Location ID:	MW12	Parameter Code:	01145
Location Class:		Parameter:	Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000106 0.213	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000829 00000113 000000464	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-3.46 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW12 95.00%	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000412 0.0420	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.40 1.64 None

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	00515 Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.392 0.231	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.461 0.291 0.582	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.82 1.64 Upward

User Supplied Information

Location ID:	MW22D	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 1	95.00% 12/31/2024	Units.	mg E

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000197 0.0492	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		223 1.64 None

User Supplied Information

Location ID:	MW22D	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000170 0.00914	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.72 1.64 None

User Supplied Information

Location ID:	MW22D	Parameter Code:	00941
Location Class:		Parameter:	Chloride, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/3	95.00% 1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000187 0.000126	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.000158 0.0 0.000410	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.37 1.64 None

User Supplied Information

Location ID:	MW22D	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/3	95.00% 31/2024		-

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.395 0.193	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.381 0.191 0.605	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.14 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW22D 95.00%	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000244 0.529	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000269 0.000198 0.000323	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.55 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW22D 95.00%	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000720 0.146	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000118 0.000000821 0.00000149	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.68 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000118 0.0180	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000274 00000436 000000700	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.17 1.64 Downward

User Supplied Information

Location ID:	MW22D	Parameter Code:	01010
Location Class:		Parameter:	Beryllium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 1	95.00% 2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000707 0.0551	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000880 0.0 0.00000141	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.30 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%	Units.	mg/L
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000876 0.126	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	00155 00182 00117	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-3.74 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000202 0.0331	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000546 0.000000297 0.000000797	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.01 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000429 0.0943	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		467 1.64 None

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	01035 Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000138 0.162	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000101 0.00000254 0.0000210	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.33 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	01040 Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000830 0.000179	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000138 0.000000656 0.00000201	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.63 1.64 Upward

User Supplied Information

Location ID:	MW22D	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0453 0.235	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0651 0.0500 0.0750	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.35 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01049 Lead, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000363 0.462	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000376 0.00000257 0.00000498	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.01 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00227 0.189	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00295 0.00156 0.00419	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.09 1.64 Upward

User Supplied Information

Location ID:	MW22D	Parameter Code:	01057
Location Class:		Parameter:	Thallium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000000000 0.0000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW22D	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 2024		8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000159 0.276	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000210 0.0000140 0.0000269	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.74 1.64 Upward

User Supplied Information

Location ID:	MW22D	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000221 0.00207	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		168 1.64 None

User Supplied Information

Location ID: Location Class:	MW22D	Parameter Code: Parameter:	01085 Vanadium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000651 0.0904	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.62 1.64 None

User Supplied Information

Location ID:	MW22D	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000420 0.0983	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0000840 0.0000560 0.000109	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.25 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000000000 0.00000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000455 0.0691	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.00000412	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.73 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22D	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	00515
Location Class:		Parameter:	Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12	95.00% 2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.452 0.148	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.376 0.0689 0.615	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.01 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW22S	Parameter Code: Parameter:	00618 Nitroto nitrogon dissolved
			Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000110 0.168	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0000279	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.16 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW22S 95.00%	Parameter Code: Parameter: Units:	00720 Cyanide, total mg/L
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000333 0.0833	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.00000198	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.96 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000376 0.00822	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000142 00127 0.000663	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		255 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW22S 95.00%	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.234 0.0271	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.261 174 0.703	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.12 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW228	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level: Date Range: 03/01/2017 to 12/3	95.00% 81/2024		C .
Date Kange: 05/01/2017 to 12/3	51/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000159 0.271	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.000138 0.0000461 0.000234	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.77 1.64 Upward

User Supplied Information

Location ID: MW22S	Parameter Code:	01000
Location Class:	Parameter:	Arsenic, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000306 0.488	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000283 0.00000181 0.00000380	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.25 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000398 0.165	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000840 00000196 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.92 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000313 0.525	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000290 0.00000204 0.00000377	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.64 1.64 Upward

User Supplied Information

Location ID:	MW22S	Parameter Code:	01020
Location Class:		Parameter:	Boron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00188 0.0941	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000243 000494 0000682	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.19 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000241 0.557	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.00000186 0.00000126 0.00000243	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.88 1.64 Upward

User Supplied Information

Location ID:	MW22S	Parameter Code:	01030
Location Class:		Parameter:	Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000211 0.0603	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000000109 000000254 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-2.01 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000932 0.0561	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000770 00000122 0.0000179	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.43 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	01040
Location Class:		Parameter:	Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 1	95.00% 2/31/2024	cints.	mg L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000113 0.477	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000605 0.00000340 0.00000883	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.27 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW22S	Parameter Code: Parameter:	01046 Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0843 0.150	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0711 0.00904 0.146	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.80 1.64 Upward

User Supplied Information

Location ID:	MW228	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000157 0.338	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000121 0.000000580 0.00000192	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.65 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00473 0.0562	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 00298 0.00241	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0340 1.64 None

User Supplied Information

Location ID: Location Class:	MW22S	Parameter Code: Parameter:	01057 Thallium, dissolved	
Location Type:		Units:	mg/L	
Confidence Level:	95.00%			
Date Range: 03/01/2017 to 12/31/2024				

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000406 0.00689	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.634 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000587 0.627	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0000513 0.0000404 0.0000658	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		5.15 1.64 Upward

User Supplied Information

Location ID:	MW228	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000305 0.00318	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.280 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000298 0.0611	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.000000493	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.12 1.64 None

User Supplied Information

Location ID:	MW22S	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/.	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000305 0.645	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000298 0.000231 0.000375	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		5.10 1.64 Upward

User Supplied Information

Location ID:	MW228	Parameter Code:	01095
Location Class:		Parameter:	Antimony, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000244 0.00318	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.280 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW22S	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000134 0.302	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000632 0.0 0.0000181	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.17 1.64 Upward

User Supplied Information

Location ID:	MW228	Parameter Code:	71890
Location Class:		Parameter:	Mercury, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000162 0.00689	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.634 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	00515 Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0472 0.0164	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000234 0179 0.0184	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0563 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/	95.00% /31/2024	Units.	шgъ

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000205 0.539	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.90 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000341 0.0486	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.08 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	00941 Chloride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00130 0.479	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00124 00145 00102	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-5.02 1.64 Downward

User Supplied Information

Location ID:	MW23D	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 2024		0

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0476 0.0238	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	00482 00627 00341	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-4.07 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW23D 95.00%	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000357 0.0723	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.69 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01000 Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000318 0.0230	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000555 000000981 0000000616	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-1.88 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00% 1/2024		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000321 0.217	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.00000201 0.000000787 0.00000361	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.65 1.64 Upward

User Supplied Information

Location ID:	MW23D	Parameter Code:	01010
Location Class:		Parameter:	Beryllium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000261 0.0190	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.21 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01025 Cadmium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000454 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01030 Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000340 0.000416	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0598 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000437 0.0311	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-2.29 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01040
Location Class:		Parameter:	Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 2024	Cints.	ing 2

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00250 0.0226	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000148 000296 0000438	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.37 1.64 Downward

User Supplied Information

Location ID:	MW23D	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000336 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01056 Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		0
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000292 0.0210	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000395 0000153 0.00000450	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01057 Thallium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000172 0.0246	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0000000260 0.0000000440	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.233 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01075	
Location Class:		Parameter:	Silver, dissolved	
Location Type:		Units:	mg/L	
Confidence Level:	95.00%			
Date Range: 03/01/2017 to 12/31/2024				

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

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Hutsonville Ash Impoundment Mann-Kendall Trend Analysis

User Supplied Information

Location ID:	MW23D	Parameter Code:	01085
Location Class:		Parameter:	Vanadium, o
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW23D	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000622 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23D	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	01145 Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000151 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class:	MW23D	Parameter Code: Parameter:	71890 Mercury, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000000000 0.00000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW23S	Parameter Code: Parameter:	00515 Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0639 0.00979	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00454 0174 0.0300	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.413 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12	95.00% 2/31/2024	cints.	ing D

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000392 0.0318	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0000502 0.0000253	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		195 1.64 None

User Supplied Information

Location ID:	MW238	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000206 0.138	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.27 1.64 None

User Supplied Information

Location ID: MW23S	Parameter Code:	00941
Location Class:	Parameter:	Chloride, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024		8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000571 0.0344	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000685 00101 000235	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.63 1.64 Downward

User Supplied Information

Location ID:	MW238	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 2024		8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0738 0.0230	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00514 00591 00438	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-6.23 1.64 Downward

User Supplied Information

Location ID:	MW23S	Parameter Code:	00950
Location Class:		Parameter:	Fluoride, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31	95.00% 2024		-

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000555 0.0576	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.59 1.64 None

User Supplied Information

Location ID:	MW238	Parameter Code:	01000
Location Class:		Parameter:	Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000301 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000429 0.202	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000364 0.000000976 0.00000587	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.17 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000242 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01020
Location Class:		Parameter:	Boron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000174 0.0208	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0000129 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		766 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW238	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000163 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Confidence Level: 95.00%	Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2024	Confidence Level: Date Range: 03/01/2017 to 12/31/			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000111 0.00231	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.215 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000302 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01040
Location Class:		Parameter:	Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000465 0.0450	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.03 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00687 0.0200	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.42 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000537 0.0451	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.12 1.64 None

User Supplied Information

Location ID: Location Class:	MW238	Parameter Code: Parameter:	01056 Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000475 0.0219	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000851 0000191 00000147	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.33 1.64 Downward

User Supplied Information

Location ID:	MW23S	Parameter Code:	01057
Location Class:		Parameter:	Thallium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000839 0.0246	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		777 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW23S	Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000402 0.0203	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000000315 000000195 0.0000000344	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		854 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW238	Parameter Code:	01085
Location Class:		Parameter:	Vanadium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000200 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID:	MW23S	Parameter Code:	01095
Location Class:		Parameter:	Antimony, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW238	Parameter Code: Parameter:	01145 Selenium, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000151 0.0199	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		657 1.64 None

User Supplied Information

Location ID: Location Class:	MW23S	Parameter Code: Parameter:	71890 Mercury, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000336 0.0246	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		777 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	00515 Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.103 0.324	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0517 0.00477 0.114	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.07 1.64 Upward

User Supplied Information

MW2D	Parameter Code:	00618
	Parameter:	Nitrate nitrogen, dissolved
	Units:	mg/L
95.00%		
/31/2024		
/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000127 0.285	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000207 0.0 0.0000333	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.57 1.64 Upward

User Supplied Information

Location ID:	MW2D	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000227 0.163	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.18 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000564 0.0411	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00100 0.000481 0.00151	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.40 1.64 Upward

User Supplied Information

Location ID:	MW2D	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0374 0.209	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00207 0.000593 0.00366	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.47 1.64 Upward

User Supplied Information

Location ID:	MW2D	Parameter Code:	00950
Location Class:		Parameter:	Fluoride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
-			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000672 0.469	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000559 0000829 0000106	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-3.23 1.64 Downward

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01000 Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000935 0.0938	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000969 00000177 0.000000249	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.34 1.64 None

User Supplied Information

Parameter: Units:	Barium, dissolved mg/L
(Inite.	mg/L
Units.	mg/ L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000220 0.183	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.00000503 000000874 0.0000124	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.26 1.64 None

User Supplied Information

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000488 0.00318	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.280 1.64 None

User Supplied Information

Location Type:	Units:	mg/L
Confidence Level: 95.00%		0
Date Range: 03/01/2017 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000930 0.125	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0000782	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.33 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level: Date Range: 03/01/2017 to 12	95.00% 2/31/2024		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000133 0.00769	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		391 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01035 Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: MW2D	Parameter Code:	01040
Location Class:	Parameter:	Copper, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
Date Kange. 05/01/2017 to	12/01/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000286 0.0792	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000183 000399 00000132	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-1.70 1.64 Downward

User Supplied Information

Location ID:	MW2D	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000936 0.237	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000749 0.00000254 0.0000146	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.29 1.64 Upward

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000960 0.0798	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		169 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2D	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2D	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000288 0.000710	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0559 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	01095 Antimony, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to 12	2/31/2024		
U U			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: MW2D	Parameter Code:	01145
Location Class:	Parameter:	Selenium, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024	Units.	mg E

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000277 0.142	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.07 1.64 None

User Supplied Information

Location ID: Location Class:	MW2D	Parameter Code: Parameter:	71890 Mercury, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000000000 0.0000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	00515
Location Class:		Parameter:	Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 1	95.00% 2/31/2024	cindi	g.2

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0746 0.230	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0631 0.0189 0.113	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.35 1.64 Upward

User Supplied Information

Location ID:	MW2R	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 2	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000204 0.00387	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000205 000544 0.0000984	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.19 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	00720 Cyanide, total
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000173 0.108	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		3.55 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	00941 Chloride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		8
Date Range: 03/01/2017 to	12/31/2024		
Date Kange: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00275 0.121	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00229 00500 0.000864	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.21 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to	95.00% 12/31/2024	Units.	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0378 0.135	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0242 00789 0.0597	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.19 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000104 0.0582	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.29 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01000
Location Class:		Parameter:	Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000205 0.0359	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.950 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000276 0.0871	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.00000106 00000253 0.00000543	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.461 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW2R 95.00%	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Date Range: 03/01/2017 to 12/31/			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01020
Location Class:		Parameter:	Boron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000215 0.119	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000156 000297 0.0000216	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.41 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01025
Location Class:		Parameter:	Cadmium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to	95.00% 12/31/2024		8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01030
Location Class:		Parameter:	Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 1	95.00% 2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000335 0.0174	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		702 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/	95.00% /31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	01040 Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	01046 Iron, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to 12/	,		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000751 0.00715	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		599 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000171 0.0116	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 000000187 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		634 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW2R 95.00%	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW2R	Parameter Code: Parameter:	01065 Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000108 0.212	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000000519 0.0 0.000000151	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.43 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location Class:	Parameter:	Vanadium, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW2R	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000000167 0.00000239	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW2R	Parameter Code: Parameter: Units:	01145 Selenium, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000219 0.00957	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000000115 000000489 0.000000702	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.494 1.64 None

User Supplied Information

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000000410 0.0359	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		950 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	00515
Location Class:		Parameter:	Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
-			

Trend of the least squares straight line		
Slope (fitted to data):	559	mg/L per period
R-Squared error of fit:	0.800	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	593	mg/L per period
Lower Confidence Limit of Slope, M1:	757	mg/L per period
Upper Confidence Limit of Slope, M2+1:	289	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		-2.35
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):	Γ	Downward

User Supplied Information

Location Class: Farameter: Nutrate introgen, dissolved Location Type: Units: mg/L Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024	Location ID: Location Class:	MW3	Parameter Code: Parameter:	00618 Nitrata nitragan, dissalvad
Confidence Level: 95.00%				Nitrate nitrogen, dissolved
	• 1	95 00%	Units.	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000338 0.00260	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0000375 00126 0.000514	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000397 0.916	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.00000347 0.0 0.00000430	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.17 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW3	Parameter Code: Parameter:	00941 Chloride, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000446 0.0191	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000174 00472 0.00313	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.249 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3	Parameter Code: Parameter: Units:	00946 Sulfate, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	379 0.480	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	288 585 0.120	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.36 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	00950
Location Class:		Parameter:	Fluoride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
Date Kange: 05/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000542 0.491	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000441 000114 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.15 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW3	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

meter: Barium, dis	ssolved
~	
s: mg/L	

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000158 0.152	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000161 00000393 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.29 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 mg/L per period 0.0
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0mg/L per period0.0mg/L per period0.0mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	0.0 1.64 None

User Supplied Information

Parameter Code: Parameter:	01020 Boron, dissolved
Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000849 0.801	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000956 00122 000451	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.35 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW3	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00%		U
Date Range: 03/01/2017 to 12/3	/2024		

Trend of the least squares straight line		
Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None

User Supplied Information

Location ID:	MW3	Parameter Code:	01030
Location Class:		Parameter:	Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000484 0.919	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000425 000000575 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.14 1.64 Downward

User Supplied Information

Location ID:	MW3	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/3	95.00% 1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 mg/ 0.0	L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 mg/	L per period L per period L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	٢	0.0 1.64 Jone

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW3 95.00%	Parameter Code: Parameter: Units:	01040 Copper, dissolved mg/L
Date Range: 03/01/2017 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000529 0.148	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		873 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000660 0.641	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0000639 0.0 0.000100	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.26 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW3	Parameter Code: Parameter:	01049 Lead, dissolved mg/I
Location Type: Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 2024	Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000133 0.231	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000512 00000265 0.000000106	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		930 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	01057
Location Class:		Parameter:	Thallium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31	95.00% /2024	Units.	ing/L

Trend of the least squares straight line		
Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None

User Supplied Information

Location ID: Location Class:	MW3	Parameter Code: Parameter:	01065 Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000443 0.870	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000000458 000000586 000000300	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-3.14 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW3 95.00%	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW3	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Location Type: Confidence Level: Date Range: 03/01/2017 to	95.00% 12/31/2024	Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 mg/L per period 0.0
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0mg/L per period0.0mg/L per period0.0mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	0.0 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000176 0.638	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0000208 0000397 00000800	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-2.44 1.64 Downward

User Supplied Information

Location ID:	MW3	Parameter Code:	01095
Location Class:		Parameter:	Antimony, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31	95.00% /2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW3	Parameter Code:	01145
Location Class:		Parameter:	Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
0			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000525 0.585	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000503 0000105 00000288	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.10 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW3	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Confidence Level:	95.00%		0
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

neter: To	
	otal Dissolved Solids
: m	g/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	138 0.0406	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	109 352 0.0459	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.18 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000654 0.00825	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000199 000212 0.000149	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		211 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000192 0.555	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.16 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW3D 95.00%	Parameter Code: Parameter: Units:	00941 Chloride, dissolved mg/L
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000696 0.000154	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.000103 00185 0.00157	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0649 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 2	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0633 0.00354	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0670 254 0.392	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.227 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000109 0.000639	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 000109 0.0000898	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0329 1.64 None

User Supplied Information

Units:	Arsenic, dissolved mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000171 0.0000438	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 000000423 0.000000224	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		490 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01005
Location Class:		Parameter:	Barium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
-			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000187 0.225	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	00000172 00000260 000000611	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.54 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000501 0.0486	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.19 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01020
Location Class:		Parameter:	Boron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
Date Kange: 05/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000522 0.137	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.000604 0.000222 0.000969	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		2.37 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW3D	Parameter Code: Parameter:	01025 Cadmium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		0
Date Range: 03/01/2017 to	12/31/2024		
5			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000676 0.000520	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000320 000000800 0.000000647	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		470 1.64 None

User Supplied Information

Location ID: MW3D	Parameter Code:	01030
Location Class:	Parameter:	Chromium, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000168 0.00699	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		428 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01035 Cobalt, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000122 0.0156	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000137 0000456 0.0000177	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		762 1.64 None

User Supplied Information

Location ID: Location Class:	MW3D	Parameter Code: Parameter:	01040 Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000139 0.000504	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.361 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
Date Kange: 05/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00103 0.0513	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000366 0000417 0.00100	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.09 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00213 0.0457	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000886 00386 0.00158	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		535 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW3D	Parameter Code: Parameter: Units:	01065 Nickel, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000254 0.0625	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000270 0000560 0.00000283	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.43 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW3D	Parameter Code: Parameter:	01085 Vanadium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line		
Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None

User Supplied Information

	Parameter Code:	01090
Location Class:	Parameter:	Zinc, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00%		
Date Range: 03/01/2017 to 12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000256 0.0139	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000772 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		463 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01095
Location Class:		Parameter:	Antimony, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 1	95.00% 12/31/2024	cints.	ing 2

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW3D	Parameter Code:	01145
Location Class:		Parameter:	Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000158 0.0131	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 00000146 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.31 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level: Data Banga: 03/01/2017 to 12/31/	MW3D 95.00% 2024	Parameter Code: Parameter: Units:	71890 Mercury, dissolved mg/L
Date Range: 03/01/2017 to 12/31/	2024		
Confidence Level: Date Range: 03/01/2017 to 12/31/			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000000354 0.0293	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		866 1.64 None

User Supplied Information

Location ID: Location Class:	MW4	Parameter Code: Parameter:	00515 Total Dissolved Solids
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0178 0.0288	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0269 0495 0.0155	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.13 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	00618
Location Class:		Parameter:	Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
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Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000125 0.00237	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.000117 000239 0.000452	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		1.08 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000244 0.601	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.00000230	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.01 1.64 Upward

User Supplied Information

Location ID: Location Class:	MW4	Parameter Code: Parameter:	00941 Chloride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000497 0.0145	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000275 000824 0.000381	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		961 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	00946
Location Class:		Parameter:	Sulfate, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0125 0.379	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0116 0159 00810	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Γ	-3.88 1.64 Downward

User Supplied Information

Parameter:	Fluoride, dissolved
T T •/	
Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000762 0.293	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000543 000101 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.41 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW4 95.00%	Parameter Code: Parameter: Units:	01000 Arsenic, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000187 0.0779	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		555 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01005
Location Class:		Parameter:	Barium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000449 0.442	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000433 00000627 00000237	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-3.29 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW4	Parameter Code: Parameter: Units:	01010 Beryllium, dissolved mg/L
Confidence Level:	95.00%		-
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW4	Parameter Code: Parameter: Units:	01020 Boron, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000770 0.355	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0000974 000125 0000726	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-4.05 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW4	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Confidence Level:	95.00% 12/31/2024		8
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01030
Location Class:		Parameter:	Chromium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		
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Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000249 0.532	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000000226 000000293 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-2.95 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01035
Location Class:		Parameter:	Cobalt, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/	95.00% 2024	Units.	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01040
Location Class:		Parameter:	Copper, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/	95.00% 2024		-

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000629 0.0484	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.09 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01046
Location Class:		Parameter:	Iron, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000255 0.000593	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0000190 0.00000462	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		368 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01056
Location Class:		Parameter:	Manganese, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000416 0.0782	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000800 00000199 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-2.78 1.64 Downward

User Supplied Information

Location ID: Location Class: Location Type:	MW4	Parameter Code: Parameter: Units:	01057 Thallium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/3	1/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000000000 0.0000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01065
Location Class:		Parameter:	Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000446 0.133	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0000000901 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.43 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW4 95.00%	Parameter Code: Parameter: Units:	01075 Silver, dissolved mg/L
Date Range: 03/01/2017 to 12/31/2	024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000266 0.0852	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.48 1.64 None

User Supplied Information

Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
	8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01090	
Location Class:		Parameter:	Zinc, dissolved	
Location Type:		Units:	mg/L	
Confidence Level:	95.00%			
Date Range: 03/01/2017 to 12/31/2024				

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0000000509 0.00153	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.193 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW4	Parameter Code: Parameter: Units:	01095 Antimony, dissolved mg/L
Confidence Level:	95.00%	e mus.	g. 23
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000000000 0.000000000000000000000	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	01145
Location Class:		Parameter:	Selenium, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000587 0.0518	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000000218 000000597 0.000000136	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.21 1.64 None

User Supplied Information

Location ID:	MW4	Parameter Code:	71890
Location Class:		Parameter:	Mercury, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31	95.00% /2024	Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000000410 0.0248	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		706 1.64 None

User Supplied Information

MW5	Parameter Code:	00515
	Parameter:	Total Dissolved Solids
	Units:	mg/L
95.00%		
/2024		
	95.00%	Parameter: Units:

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0379 0.0731	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0229 0657 0.0244	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		633 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	00618 Nitrate nitrogen, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000400 0.105	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000114 000303 0.0000877	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.09 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	00720
Location Class:		Parameter:	Cyanide, total
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/31/2	95.00% 024	Umts.	ing/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.00000192 0.555	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		4.16 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	00941
Location Class:		Parameter:	Chloride, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000135 0.00125	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	000462 00121 0.000215	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.20 1.64 None

User Supplied Information

MW5	Parameter Code:	00946
	Parameter:	Sulfate, dissolved
	Units:	mg/L
95.00%		
024		
	95.00%	Parameter: Units: 95.00%

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0150 0.191	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00386 00862 0.000776	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.54 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	00950 Fluoride, dissolved mg/L
Confidence Level:	95.00%		8
Date Range: 03/01/2017 to 1	12/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000369 0.314	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-3.28 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	01000 Arsenic, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2024			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000136 0.0662	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		467 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level:	MW5 95.00%	Parameter Code: Parameter: Units:	01005 Barium, dissolved mg/L
Date Range: 03/01/2017 to 12	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000369 0.0836	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	00000235 00000660 0.00000191	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		976 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01010
Location Class:		Parameter:	Beryllium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to 12/3	95.00% 31/2024	Units.	ing L

Trend of the least squares straight line Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None

User Supplied Information

Location ID: MW5	Parameter Code:	01020
Location Class:	Parameter:	Boron, dissolved
Location Type:	Units:	mg/L
Confidence Level: 95.00% Date Range: 03/01/2017 to 12/31/2024		8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000469 0.457	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0000371 0000508 0000236	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):	Ι	-4.07 1.64 Downward

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter: Units:	01025 Cadmium, dissolved mg/L
Location Type: Confidence Level: Date Range: 03/01/2017 to 12/3	95.00% 1/2024	Units:	mg/L

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type: Confidence Level: Date Range: 03/01/2017 to 12	MW5 95.00% /31/2024	Parameter Code: Parameter: Units:	01030 Chromium, dissolved mg/L
Location Type:			

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000705 0.0353	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		758 1.64 None

User Supplied Information

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	01040 Copper, dissolved
Location Type: Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000228 0.0486	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.19 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01046 Iron, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31	/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	00000728 0.00589	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		674 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01049
Location Class:		Parameter:	Lead, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01056 Manganese, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 1	2/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.000000548 0.0101	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.000000445	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.662 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01057
Location Class:		Parameter:	Thallium, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to	95.00% 12/31/2024		8

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0.0 0.0	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		0.0 1.64 None

User Supplied Information

Location ID: Location Class:	MW5	Parameter Code: Parameter:	01065 Nickel, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%	Units:	mg/L
Date Range: 03/01/2017 to 12/31			
Date Kange: 05/01/2017 to 12/51/	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000294 0.0630	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test)Median Slope:Lower Confidence Limit of Slope, M1:Upper Confidence Limit of Slope, M2+1:	0.0 000000108 0.000000732	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		279 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01075
Location Class:		Parameter:	Silver, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/31/2	2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	0000000143 0.0769	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.52 1.64 None

User Supplied Information

Location ID: Location Class: Location Type:	MW5	Parameter Code: Parameter: Units:	01085 Vanadium, dissolved mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12/	/31/2024		

Trend of the least squares straight line Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None

User Supplied Information

Location ID:	MW5	Parameter Code:	01090
Location Class:		Parameter:	Zinc, dissolved
Location Type:		Units:	mg/L
Confidence Level:	95.00%		
Date Range: 03/01/2017 to 12	/31/2024		

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000162 0.00872	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	0.0 0.0 0.0	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		453 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	01095
Location Class:		Parameter:	Antimony, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to	95.00% 12/31/2024		

Trend of the least squares straight line Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None

User Supplied Information

Parameter:	Selenium, dissolved
Units:	mg/L
	Units.

Trend of the least squares straight line Slope (fitted to data): R-Squared error of fit:	000000395 0.100	mg/L per period
Sen's Non-parametric estimate of the slope (two-tailed test) Median Slope: Lower Confidence Limit of Slope, M1: Upper Confidence Limit of Slope, M2+1:	000000404 000000870 0.0000000470	mg/L per period mg/L per period mg/L per period
Non-parametric Mann-Kendall Test for Trend S Statistic: Z test: At the 95.0 % Confidence Level (two-tailed test):		-1.46 1.64 None

User Supplied Information

Location ID:	MW5	Parameter Code:	71890
Location Class:		Parameter:	Mercury, dissolved
Location Type:		Units:	mg/L
Confidence Level: Date Range: 03/01/2017 to	95.00% 12/31/2024	cinds.	mg L

Trend of the least squares straight line Slope (fitted to data):	0.0	mg/L per period
R-Squared error of fit:	0.0	
Sen's Non-parametric estimate of the slope (two-tailed test)		
Median Slope:	0.0	mg/L per period
Lower Confidence Limit of Slope, M1:	0.0	mg/L per period
Upper Confidence Limit of Slope, M2+1:	0.0	mg/L per period
Non-parametric Mann-Kendall Test for Trend		
S Statistic:		0.0
Z test:		1.64
At the 95.0 % Confidence Level (two-tailed test):		None